

ATTACHMENT 6

EFFLUENT LIMITATIONS/MONITORING
RATIONALE/SUITABLE DATA/
ANTIDEGRADATION/ANTIBACKSLIDING

ATTACHMENT 6
EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS
RATIONALE & SUITABLE DATA

VPDES Permit No. VA0004081 is a major industrial discharger from the operation of the Chesapeake Energy Center that generates electricity with steam produced by the combustion of fossil fuel. The facility is located on the shore of the Southern Branch of the Elizabeth River and Deep Creek in Chesapeake, Virginia. The facility operates 24 hours per day, 365 days per year.

The facility discharges at a maximum 30 day average flow rate of 521 MGD. The receiving waters, Southern Branch of the Elizabeth River and Deep Creek, were assigned a Tier 1 classification. In accordance with 9 VAC 25-560-50, the receiving waters were further assigned Class II waters, tidal waters in the Chesapeake Bay and its tidal tributaries.

The permittee defined their activity as SIC 4911, Electric Power which is categorized in the Federal Effluent Guidelines (FEG), 40 CFR Part 423- Steam Electric Power Generating Point Source Category. As in the previous issued permits for this facility, effluent limitations and monitoring requirements will be developed based on these guidelines. The facility's production capacity is 700 MW (Mega Watts). Based on best professional judgment (BPJ) and the applicable guidelines, the required limitations for this categorical industry's process wastewaters are placed on internal outfalls 101 and 201 and outfalls 002 and 003.

Data Review Summary and Changes

The data for the past three years and the analysis submitted with the permit application have been reviewed. The facility complies with most parameters at all outfalls. There are changes to the parameters monitoring requirements with this reissuance for those outfalls associated with Pet Coke storage and handling, outfall 002 and 003. Effluent monitoring for those specific FEGs associated with the Subpart B - Cracking Subcategory of 40 CFR Part 419 have been removed since there is no source. For specific discussions and rationale please review individual outfall discussions that follow.

Guidance Memo 96-001 recommends that chemical water quality-based limits not be placed on storm water outfalls at this time because the methodology for developing limits and the proper method of sampling is still a concern and under review by EPA. Therefore, in the interim, screening criteria have been established at 2 times the acute criteria. These criteria are applied solely to identify those pollutants that should be given special emphasis during development of the Storm Water Pollution Prevention Plan (SWPPP). Any storm water outfall data (pollutant specific) submitted by the permittee which were above the established screening criteria levels requires monitoring in Part I.A. of the permit for that specific outfall and pollutant. Based on the above, screening criteria and monitoring were established for copper and zinc at a number of outfalls in the previous permit. In addition, toxicity screening was required for these same outfalls at which metals monitoring

were required. Based on available data from DMR's and the application data submitted by the permittee, a number of outfalls had a change in frequency of monitoring and some had a change in the parameters monitored. Those changes are carried over into this permit as well. Toxicity screening was retained on outfalls where chemical or biological data indicated a potential for toxicity to aquatic organisms. Only outfalls 016 and 017 have been retained in the storm water evaluation mode for specific metal (zinc) based on available data. See data on following pages.

The SWPPP required in this permit is designed to reduce pollutants in storm water runoff. Quarterly monitoring for zinc at outfalls 016 and 017 and annual toxicity screening is recommended. Pollutant specific monitoring results above the screening criteria or toxicity screening which results in an LC50 of less than 100% effluent, do not indicate unacceptable values; however, they do justify the need to reexamine the effectiveness of the SWPPP and any best management practices (BMPs) being utilized. Based on available data for outfall 016 and 017, BMP's should be reviewed by the permittee to reduce the concentration of zinc in the discharge. The goal of the SWPPP is to reduce pollutants, especially those identified by the application of the screening criteria, including toxicity, to the maximum extent practicable. An annual report is to be submitted to the Regional office and shall include the data collected the previous year with an indication if the SWPPP or any BMPs were modified based on the monitoring results.

For those outfalls that are not completely storm water but are heavily influenced by storm water, guidance memo 96-001 and Best Professional Judgment (BPJ) were used in determining the parameters to be monitored and the frequency of monitoring. All BPJ determinations were made based on review of data reported in past DMR's and on the application for reissuance.

Dominion - Chesapeake Energy Center DMR Data 2008 – 2011

Permit No:VA0004081	Facility Name: Dominion - Chesapeake Energy Center	Parameter Code:<All>	Parameter Description: ZINC, DISSOLVED (AS ZN) (UG/L)	
Outfall No	CONCMAX	Reporting Frequency	Monitoring Start Date	Monitoring End Date
010	111	Annual	01-Jan-2008	31-Dec-2008
012	40	Annual	01-Jan-2008	31-Dec-2008
011	<QL	Annual	01-Jan-2008	31-Dec-2008
017	<QL	Quarter	01-Jul-2008	30-Sep-2008
016	<QL	Quarter	01-Jul-2008	30-Sep-2008
003	44	Semi Annual	01-Jul-2008	31-Dec-2008
016	<QL	Quarter	01-Oct-2008	31-Dec-2008
017	<QL	Quarter	01-Oct-2008	31-Dec-2008
016	133	Quarter	01-Jan-2009	31-Mar-2009
017	133	Quarter	01-Jan-2009	31-Mar-2009
003	<QL	Semi Annual	01-Jan-2009	30-Jun-2009
012	<QL	Annual	01-Jan-2009	31-Dec-2009
011	<QL	Annual	01-Jan-2009	31-Dec-2009
010	<QL	Annual	01-Jan-2009	31-Dec-2009
016	162	Quarter	01-Apr-2009	30-Jun-2009
017	162	Quarter	01-Apr-2009	30-Jun-2009
016	7	Quarter	01-Jul-2009	30-Sep-2009
017	7	Quarter	01-Jul-2009	30-Sep-2009
003	48	Semi Annual	01-Jul-2009	31-Dec-2009
017	457	Quarter	01-Oct-2009	31-Dec-2009
016	457	Quarter	01-Oct-2009	31-Dec-2009
017	117	Quarter	01-Jan-2010	31-Mar-2010
016	117	Quarter	01-Jan-2010	31-Mar-2010
003	98	Semi Annual	01-Jan-2010	30-Jun-2010
012	<QL	Annual	01-Jan-2010	31-Dec-2010
010	<QL	Annual	01-Jan-2010	31-Dec-2010
011	<QL	Annual	01-Jan-2010	31-Dec-2010
017	1584	Quarter	01-Apr-2010	30-Jun-2010
016	1584	Quarter	01-Apr-2010	30-Jun-2010
016	326	Quarter	01-Jul-2010	30-Sep-2010
017	326	Quarter	01-Jul-2010	30-Sep-2010
003	1592	Semi Annual	01-Jul-2010	31-Dec-2010
017	251	Quarter	01-Oct-2010	31-Dec-2010
016	251	Quarter	01-Oct-2010	31-Dec-2010
016	667	Quarter	01-Jan-2011	31-Mar-2011
017	667	Quarter	01-Jan-2011	31-Mar-2011
003	46	Semi Annual	01-Jan-2011	30-Jun-2011
016	511	Quarter	01-Apr-2011	30-Jun-2011
017	511	Quarter	01-Apr-2011	30-Jun-2011
016	318	Quarter	01-Jul-2011	30-Sep-2011
017	318	Quarter	01-Jul-2011	30-Sep-2011

ATTACHMENT 6, continued
EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS
RATIONALE & SUITABLE DATA

Outfall 001

The discharge conveyed through this outfall consists of the Discharge Canal which includes: Once through cooling water condenser, Units 1-4; Demineralized wastes (from internal outfall 101); reverse osmosis concentrate; stormwater outfalls 013, 015, 018, 021; and Hotwell dumps. Long term average flows 519 MGD. The monitoring frequency for measured or analyzed parameters shall be 2/month in conjunction with previous owner comments and discussion between staff and company reps and review of available facility data. These requirements are acceptable and allowable for Industrial Permits in the VPDES Permit manual and BPJ. This is also a monitoring frequency that is sufficient to determine compliance with the permit.

Flow: No limit, however daily monitoring is required by estimated sample. BPJ.

pH: . 6.0 min-9.0 max SU, 2/Month by a grab sample. Limits based on BPJ.

Total Residual Chlorine: .021 mg/l monthly average - .026 mg/l maximum, 2/month by a grab sample. Limits based on WQS and Agency chlorine Advice dated 10-8-99.

Total Phosphorus: 2.0 mg/l monthly average, 2/month by a grab sample. Limit is based on BPJ referencing the NEW Policy (9 VAC 25-40-10 et seq.). Although the newest WQS does not designate these waters to be NEW, antibacksliding regulations do not allow the relaxation of a limitation if the relaxation of that limit would be based on new regulations.

Total Nitrogen: No limit, however 2/month monitoring is required by a grab sample. Based on BPJ referencing NEW Policy (9 VAC 25-40-10 et seq.).

Temperature: A thermal mixing zone has been established and specifically defined as noted in the attached map. Monitoring shall be conducted 1/year during January or July. WQS must be met outside the specified zone. Site-specific thermal mixing zone language is contained in special condition.

Heat Rejection: 3.55×10^9 BTU/HR monthly average and shall be monitored continuously. Limit is based on BPJ and memorandum 4-7-77 from W.L. Woodfin.

Outfall 101

The discharge conveyed through this internal outfall is entirely demineralizer regeneration waste and reverse osmosis waste water. The long term average flow reported on the 2C application is 0.128 MGD. The monitoring frequency for all parameters shall be 1/3 months. It is judgment of the staff that this frequency is sufficient to determine compliance with the permit limits. Federal Effluent Guidelines recommend mass limitations for this type of flow, however the volume is under the flow threshold and therefore mass limits are not required (VPDES Manual) and not appropriate (SWCB memorandum May 3, 1990 on Steam/Electric Permits).

Flow: No limit, however monitoring is required 1/3 months by an estimate.
BPJ.

Total Suspended Solids: 30 mg/l monthly average and 100 mg/l maximum, 1/3 months by a grab sample. Limits based on Federal Effluent Guidelines (40 CFR Part 423).

Oil & Grease: 15 mg/l monthly average and 20 mg/l maximum, 1/3 months by a grab sample. Limits based on Federal Effluent Guidelines (40 CFR Part 423).

Outfall 002

The discharge conveyed through this outfall consists of the wastewater from the ash pond. Sources to the ash pond include: metals treatment basin (201); sewage treatment plant (206); low volume wastes from Units 1-3 including floor drains, boiler blowdown, slope wash, Mobotec dike drainage; Carbon canister backwash, fan blade rinsing, localized boiler tube rinsing, boiler clinker removal, turbine flush water; low volume waste Unit 4 including floor drains, boiler blowdown, slope wash, equipment washing, caustic/acid tank dikes, fan blade rinsing, localized boiler tube rinsing, boil clinker removal, turbine wash water, SCR dike; bottom ash sluice; Unit 3 economizer hopper; structural fill run off/leachate; ash silo sump including truck wash and PMI facility; coal pile/dock runoff; and reverse osmosis concentrate.

Long term average flows are approximately 1.37 MGD. These flows constitute "low volume" and mass limitations for these flows are addressed both in the VPDES Technical Manual and an OWRM Memorandum dated May 3, 1990, "Steam/Electric Permits". However, based on information and thorough discussion regarding mass limitations on outfall 002 contained in letters dated January 27, 1995, February 15, 1995 and October 12, 2004, mass limitations are not included in this reissuance. This decision is consistent with the previous permit as well.

The monitoring frequency for flow, pH, phosphorus, nitrogen, oil and grease and total suspended solids shall be 2/month as in the previous permit and as recommended sampling requirements for industrial permits in the VPDES Permit manual guidance. Chlorine is limited and monitored quarterly on this external outfall as an indicator. Disinfection is carried out on the internal outfall and the volume of water into which the internal flows discharge provide adequate mix prior to discharging to the receiving stream. The internal (outfall 206) discharge is monitored for enterococci to ensure proper disinfection. There is a clause in the State Water Quality Standards requiring fecal coliform monitoring/limitations in discharges to shellfish waters. However, no fecal coliform monitoring is included at this point based on information supporting the heavy influence of wildlife sources. This was confirmed in a study conducted by the permittee during the last permit term. Enterococci are considered better indicators of bacterial contamination from human sources (sewage) and are monitored at the internal outfall.

Dissolved copper is monitored 1/6months per agreement with company and DEQ staff. This monitoring is in lieu of a compliance schedule and ultimate limitation. Data will be reviewed for water quality exceedences.

Chromium, Phenolics, Nickel and Vanadium monitoring was removed for this reissuance. No petroleum coke is stored at the facility and there are no plans for this to occur within this permit term.

Flow: No limit, however monitoring is required 2/month by an estimate sample. BPJ, previous permit.

pH: 6.0 min - 9.0 max SU, 2/month by a grab sample. Limits based on BPJ.

Total Phosphorus: 2.0 mg/l monthly average, 2/month by a grab sample. Limit is based on BPJ referencing the NEW Policy (9 VAC 25-40-10 et seq.). Although the newest WQS does not designate these waters to be NEW, antibacksliding regulations do not allow the relaxation of a limitation if the relaxation of that limit would be based on new regulations.

Total Nitrogen: No limit, however 2/month monitoring is required by a grab sample. Based on BPJ referencing the NEW Policy (9VAC 25-40-10 et seq).

Total Suspended Solids: 30 mg/l monthly average and 50 mg/l maximum, 2/month by a grab sample. Limits based on Federal Effluent Guidelines 40 CFR Part 423. The maximum limit is 50 mg/l in order to apply proper limits to the discharge from coal pile runoff, which is required by Federal Effluent Guidelines. Since this is treated runoff, the clause that states

"Any untreated overflow from facilities designed, constructed and operated to treat the volume of coal pile runoff which results from a 10-year/24-hour rainfall event shall not be subject to the total suspended solids limitation of 50 mg/l maximum concentration at any time."

does not apply at outfall 002 since there will be no untreated overflow from the ash pond. Also, this clause cannot apply to coal pile runoff that is combined with other discharges and is treated. Therefore, the 50 mg/l TSS limitation will apply at all times.

Dissolved Copper: No limit. Monitoring shall be by a grab sample 1/6 Months in accordance with the special condition language in Part I.B.

Ammonia: No limit, however monitoring required 2/month by a grab sample. Monitoring is BPJ based on the implementation of a selective catalytic reduction (SCR) system which may result in an increase (concentration) of ammonia and nitrate in the effluent.

Total Residual Chlorine: .026 mg/l monthly average - .026 mg/l maximum, 1/3months by a grab sample. Limits based on WQS Model WLA40.EXE and Agency Chlorine Advice dated 10-8-99. These limits will comply with antidegradation and will protect water quality.

Oil & Grease: 15 mg/l monthly average and 20 mg/l maximum, 2/month by a grab sample. Limits based on Federal Effluent Guidelines 40 CFR Part 423.

Outfall 201

The discharge conveyed through this internal outfall consists of metals cleaning basin wastes. Long term average flow as reported on the 2C application is approximately 0.638 MGD (batch discharge). The monitoring frequency will be once per month based on BPJ and the operations of this internal basin. This new basin is monitored 1/month for easier reporting and tracking for both the permittee and the Agency. Nothing else has changed from the previous permit. The effluent limits are based on Federal Effluent Guidelines 40 CFR Part 423.

Samples shall be collected at the tap in the recirculation line unless otherwise approved. Sample is representative for 30 days. No wastewater shall be added to the basin after the sample is collected prior to the discharge for that sample period (30 days). This is by agreement between DEQ and company representatives to facilitate sampling that is representative of the discharge.

Flow: No limit, however monitoring is required 1/month by an estimate. BPJ.

Total Suspended Solids: 30 mg/l monthly average and 100 mg/l maximum, 1/month by a grab sample. Federal effluent guidelines 40 CFR Part 423.

Oil & Grease: 15 mg/l mo. average and 20 mg/l maximum, 1/month by a grab sample. Federal effluent guidelines 40 CFR Part 423.

Total Copper: 1 mg/l mo. average and 1 mg/l maximum, 1/month by a grab sample. Federal effluent guidelines 40 CFR Part 423

Total Iron: 1 mg/l monthly average and 1 mg/l maximum, 1/month by a grab sample. Federal effluent guidelines 40 CFR Part 423.

Outfall 206

The discharge conveyed through this internal outfall consists of domestic waste from the training building, administration building, the power station and the coal yard building. The long term average flow as reported on the application is 0.009 MGD. Monitoring frequency shall be 1/month based on BPJ. Data review does not show a concern or need to increase this frequency as it is an internal sampling point. Enterococci monitoring with no limit is applied to ensure adequate disinfection at this point. Previous permit terms used fecal coliform as the bacterial monitoring parameter; however, the Agency has adopted enterococci as a better indicator of bacteriological contamination from human sources (sewage) over fecal coliform. Alternate disinfection language will be included at this outfall. No enterococci monitoring is applied on the external outfall. BOD5 is not monitored at this point based on the dilution into the ash pond. It is believed that BOD would not be present in any measurable concentration. TSS is not monitored at this point as it is limited at the external discharge point. These requirements are believed to be sufficient to determine compliance with applicable regulations.

Flow: No limit, however monitoring is required 1/month by an estimate. BPJ.

Total Residual Chlorine: 1.5 mg/l minimum, 1/month by a grab sample. BPJ, sewage regulations and agency guidance/advice.

Enterococci: No limit, however monitoring is required 1/month by grab sample. In addition, special condition language addressing alternative disinfection shall be included. BPJ. Since enterococci is a new parameter and is a better indicator of bacteria from human sources, monitoring has been changed to be at the same frequency as total residual chlorine (TRC). This will ensure that the TRC dosage that is used is sufficient for proper disinfection of the enterococci bacteria. Also, since there were issues with bacteria from animal wastes, it was generally believed that fecal coliform monitoring was not providing reliable, useful data. Sampling for enterococci will provide much more reliable and useful data and is needed to ensure proper chlorine dosage is applied to provide adequate disinfection.

Outfall 003

The discharge conveyed through this outfall consists of storm water runoff and collected wash water from the coal pile area and collected storm water from the bulk oil storage berm area and combustion turbine area. The coal pile contribution to this outfall consists of overflow from the coal pile treatment pond. The coal pile treatment pond will receive flow from the coal pile, the first inch of storm water from the coal unloading dock, wash water from the coal unloading dock, wash water from the synfuel area. The language regarding pet coke storage has been removed from this issuance per facility request. Flow volumes are estimated to be about .062 MGD when all sources are contributing to the outfall. The monitoring requirements are based on Federal Effluent Guidelines for the Steam Electric category including coal pile runoff, and OWRM Guidance memo #93-010A dated December 9, 1993, VPDES Permitting Strategy for Storm Water Discharges Associated with Industrial Activity" (steam electric power generating, Inc. coal handling facilities category. Since this discharge is no longer strictly storm water runoff storm water language will no longer apply and this outfall will be considered a combined storm water and process water discharge. In addition the special condition addressing "acid rain" and its effect on pH has been removed from this outfall as it is no longer strictly storm water. The storm water evaluation requirements will be removed and a conventional TMP and pollutant monitoring will apply.

Flow: No limit, however monitoring is required 1/6months by an estimate sample. Basis is BPJ for discharges at an industrial facility.

pH: 6.0 SU min and 9.0 SU max., 1/6months by a grab sample. Basis is Federal Effluent Guidelines (pH exception from precipitation event language has been removed)

Total Suspended Solids: 50 mg/l max, 1/6months by a grab sample. Limits based on federal effluent guidelines 40 CFR Part 423 for discharges from coal pile runoff.

TPH: No limit, however monitoring is required 1/6 months by a grab sample. Basis is BPJ and OWRM guidance #93-010A. TPH has been substituted for oil and grease because TPH is believed to be a more representative parameter for this type of industrial discharge than oil and grease. TPH is a good indicator parameter to determine if treatment and/or BMP's are effectively controlling pollutants from entering the discharge.

Dissolved Copper and Dissolved Zinc: No limit, however monitoring is required 1/6 months by a grab sample. Monitoring is based on BPJ for OWRM Guidance memo #96-001, "Storm Water Permitting" Agency storm water evaluation and evaluation of available water quality monitoring data.

Outfall 301

This is an internal source to outfall 003. The discharge conveyed through this internal outfall consists of collected storm water from the bulk oil storage bermed area. The volume discharged (to external outfall 003) is dependent upon rainfall. The monitoring requirements are minimal and are monitored as an indicator of potential contamination in the collected storm water. Appropriate monitoring is required at the external outfall point for parameters of concern. Oil & Grease monitoring requirements have been deleted in the previous issuance of the permit and was replaced with TPH. TPH is a better indicator of petroleum contamination (Guidance Memo #97-2002) and provides necessary information for this internal monitoring point.

Flow: No limit, however monitoring is required 1/3 months by an estimate sample. BPJ.

Total Petroleum Hydrocarbons: 30 mg/l daily maximum, 1/3 months by a grab sample. Limit is based on technology, and monitoring TPH in place of O&G based on BPJ and OWRM guidance memo #97-2002.

Outfalls 004, 005, 007, 008, 009, 019, 020

The discharge conveyed through these outfalls consist of unaltered waters as they are drawn from the source supply: screen backwash (004 and 005), river recirculation pit water (007, 008, 009), and fish return line (019 and 020).

These outfalls shall only contain river water from the screen backwash units and river recirculation pits. No process water shall be discharged from these outfalls. Special condition language shall prohibit debris collected from these units be returned to the river. NO MONITORING IS REQUIRED.

Outfall 010

The discharge conveyed through this outfall consists primarily of storm water runoff from areas surrounding the ash silos and truck water (industrial related activities). During the last reissuance of this permit, all process waste waters were removed from this outfall. BPJ limits for pH and TSS were removed during the last permit term in accordance with storm water guidance. Since the determination was based on BPJ and not Effluent Guidelines or water quality, backsliding did not apply.

The total flow from the outfall is estimated at 0.011 MGD. Monitoring is based on BPJ using Guidance Memo #93-010A. (qualifying storm event and within the first hour of the discharge etc.) No limits. Frequency of monitoring is 1/6 months for flow, pH, total suspended solids, and TPH. Frequency of monitoring for metals is 1/year.

Flow: No limit, however monitoring is required 1/6 months by an estimate. Based on BPJ for industrial facilities.

pH: No limit, monitoring is required 1/6 months by a grab sample. Based on OWRM guidance memo #93-010A storm water category #14.

Total Suspended Solids: No limit, monitoring is required 1/6 months by grab sample, based on BPJ for storm water outfalls.

TPH: No limit, monitoring is required 1/6 months by a grab sample. Basis is BPJ and OWRM guidance #93-010A. TPH has been substituted for oil and grease because TPH is believed to be a more representative parameter for this type of industrial discharge than oil and grease. TPH is a good indicator parameter to determine if treatment and/or BMP's are effectively controlling pollutants from entering the discharge.

Dissolved Copper: No limit, monitoring is required 1/year by grab sample. Monitoring based on BPJ, using OWRM guidance memo #96-001 "Storm Water Permitting", Agency storm water evaluation and evaluation of available water quality monitoring data.

Dissolved Arsenic, Lead and Zinc: No limit, monitoring is required 1/year by grab sample. Monitoring is based on BPJ and available data collected over the last two permit terms. These data indicated elevated concentrations of these metals in the discharge. Continued monitoring will determine if further controls are necessary during the next permit.

Outfalls 011 and 012

The discharges conveyed through these outfalls consist of regulated storm water runoff from industrial activity. Monitoring for all parameters except copper is based on OWRM guidance memorandum #93-010A. Copper is based on OWRM guidance memo #96-001 "Storm Water Permitting" (toxicity screening criteria for identified parameters). The sampling protocol for these discharges must be in accordance with OWRM guidance memo #93-010A (qualifying storm event and within the first hour of the discharge etc.).

Flow: No limit, monitoring is required 1/year by an estimate sample. Based on guidance memo #93-010A (storm water category #14 Steam Electric Power Generating, Inc., Coal Handling Areas).

pH: No limit, monitoring is required 1/year by a grab sample. Based on OWRM guidance memo #93-010A storm water category #14).

Total Suspended Solids: No limit, monitoring is required 1/year by a grab sample. Based on OWRM guidance memo #93-010A (storm water category #14).

TPH: No limit, monitoring is required 1/year by a grab sample. Basis is BPJ and OWRM guidance #93-010A. TPH has been substituted for oil and grease because TPH is believed to be a more representative parameter for this type of industrial discharge than oil and grease. TPH is a good indicator parameter to determine if treatment and/or BMP's are effectively controlling pollutants from entering the discharge.

Dissolved Copper and Zinc

No limit, monitoring is required 1/year by a grab sample. Monitoring is based on BPJ for Guidance memo #96-001 "Storm Water Permitting" (toxicity screening criteria) Agency storm water evaluation and evaluation of available water quality monitoring data.

Outfalls 016 and 017

The discharge conveyed through these outfalls consists of regulated storm water runoff from industrial activity. Monitoring for all parameters is based on OWRM guidance memorandum #93-010A. The sampling protocol for this discharge must be in accordance with OWRM guidance memo #93-010A (qualifying storm event and within the first hour of the discharge etc.). These outfalls are considered substantially identical and outfall 016 may be sampled as a representative discharge for both outfalls. Data from the 016 sampling will be reported for both outfalls.

Flow: No limit, monitoring is required 1/3 months by an estimate sample. Based on guidance memo #93-010A (storm water category #14 Steam Electric Power Generating, Inc., Coal Handling Areas).

pH: No limit, monitoring is required 1/year by a grab sample. Based on OWRM guidance memo #93-010A storm water category #14).

Total Suspended Solids: No limit, monitoring is required 1/year by a grab sample. Based on OWRM guidance memo #93-010A (storm water category #14).

TPH: No limit, monitoring is required 1/year by a grab sample. Basis is BPJ and OWRM guidance #93-010A. TPH has been substituted for oil and grease because TPH is believed to be a more representative parameter for this type of industrial discharge than oil and grease. TPH is a good indicator parameter to determine if treatment and/or BMP's are effectively controlling pollutants from entering the discharge.

Dissolved Copper and Zinc:

No limit, monitoring is required 1/year for copper and 1/3 months for zinc by a grab sample. Monitoring is based on BPJ for Guidance memo #96-001 "Storm Water Permitting" (toxicity screening criteria) Agency storm water evaluation and evaluation of available water quality monitoring data. Frequency for copper has been reduced from the previous permit. There have been continued elevated zinc concentrations in the discharge reported on the DMR's and in the application, so zinc will remain at 1/3 months and will have the storm water evaluation requirements. Based on available data for outfall 016, BMP's should be reviewed by the permittee to reduce the concentration of zinc in the discharge. The goal of the SWPPP is to reduce pollutants, especially those identified by the application of the screening criteria, including toxicity, to the maximum extent practicable.

Outfalls 013, 015, 018, and 021

The discharges conveyed through these outfalls consist of storm water not associated with a regulated industrial activity.

These outfalls shall only contain storm water not associated with an industrial activity where no monitoring is required. No process water shall be discharged through these outfalls. NO MONITORING IS REQUIRED.

Outfall 030

The discharge conveyed through this outfall consists of regulated storm water runoff from industrial activity. The outfall discharges storm water over one inch from the coal unloading dock. The first inch of precipitation is captured and conveyed to the coal pile treatment system and will not be discharged through this outfall. At the present time all wastewaters are captured and sent through the coal pile treatment system to discharge through outfall 002 or 003. Monitoring for all parameters is based on OWRM guidance memorandum #93-010A.

Flow: No limit, monitoring is required 1/6 months by an estimate sample. Based on guidance memo #93-010A (storm water category #14 Steam Electric Power Generating, Inc., Coal Handling Areas).

pH: No limit, monitoring is required 1/6 months by a grab sample. Based on OWRM guidance memo #93-010A storm water category #14).

Total Suspended Solids: No limit, monitoring is required 1/6 months by a grab sample. Based on OWRM guidance memo #93-010A (storm water category #14) and BPJ. Because this discharges storm water from the coal dock and this discharges the fraction of the storm water runoff that will not be collected or treated, a limit was considered, but was not included because the first inch of storm water will be collected for treatment. Monitoring for TSS will determine if the collection strategy is sufficient to prevent solids, mainly coal fines, from entering the receiving stream.

TPH: No limit, monitoring is required 1/6 months by a grab sample. Basis is BPJ and OWRM guidance #93-010A. TPH has been substituted for oil and grease because TPH is believed to be a more representative parameter for this type of industrial discharge than oil and grease. TPH is a good indicator parameter to determine if treatment and/or BMP's are effectively controlling pollutants from entering the discharge.

Outfall 031

The discharge conveyed through this outfall consists of uncontaminated river water from the chlorination building. The estimated flow is .0021 million gallons per year. Drain is plugged and has not discharged. No discharge from strainer cleaning is permitted to this outfall.

Flow: No limit, monitoring is required 1/6 months by an estimate. Based on BPJ for industrial facilities.

pH: No limit, monitoring is required 1/6 months by a grab sample. Based on BPJ to protect water quality.

Total Residual Chlorine: No limit, monitoring is required at 1/6 months. This is a BPJ determination to ensure chlorine is not being discharged at concentrations that would contravene water quality standards either through leaks or spills or during operations.

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
001	FLOW	534.993	633.600	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008
002	PH	NULL	NULL	7.17	NULL	7.38	01-SEP-2008	30-SEP-2008
158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-SEP-2008	30-SEP-2008
012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.16	NULL	01-SEP-2008	30-SEP-2008
013	NITROGEN, TOTAL (ASN)	NULL	NULL	NULL	1.13	NULL	01-SEP-2008	30-SEP-2008
083	HEAT REJ**9	NULL	2.863	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008
083	HEAT REJ**9	NULL	2.766	NULL	NULL	NULL	01-OCT-2008	31-OCT-2008
001	FLOW	524.949	633.600	NULL	NULL	NULL	01-OCT-2008	31-OCT-2008
002	PH	NULL	NULL	7.25	NULL	7.36	01-OCT-2008	31-OCT-2008
158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-OCT-2008	31-OCT-2008
012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.10	NULL	01-OCT-2008	31-OCT-2008
013	NITROGEN, TOTAL (ASN)	NULL	NULL	NULL	1.01	NULL	01-OCT-2008	31-OCT-2008
002	PH	NULL	NULL	7.3	NULL	7.29	01-OCT-2008	30-NOV-2008
012	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-NOV-2008	30-NOV-2008
013	NITROGEN, TOTAL (ASN)	NULL	NULL	NULL	0.08	NULL	01-NOV-2008	30-NOV-2008
083	HEAT REJ**9	NULL	2.716	NULL	NULL	01-NOV-2008	30-NOV-2008	30-NOV-2008
001	FLOW	573.870	633.600	NULL	NULL	01-NOV-2008	30-NOV-2008	30-NOV-2008
083	HEAT REJ**9	NULL	2.712	NULL	NULL	01-DEC-2008	31-DEC-2008	31-DEC-2008
158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-DEC-2008	31-DEC-2008
001	FLOW	547.200	547.200	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
013	NITROGEN, TOTAL (ASN)	NULL	NULL	NULL	2.72	NULL	01-DEC-2008	31-DEC-2008
002	PH	NULL	NULL	7.24	NULL	7.58	01-DEC-2008	31-DEC-2008

Permit No	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	001	Reporting Frequency <All>	Monitoring Start Date	Monitoring End Date	
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX		
4 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-DEC-2008	31-DEC-2008
5 001	FLOW	545.582	547.200	NULL	NULL	NULL	01-JAN-2009	31-JAN-2009
6 083	HEAT REJ***9	NULL	2.727	NULL	NULL	NULL	01-JAN-2009	31-JAN-2009
7 002	PH	NULL	NULL	7.50	NULL	7.51	01-JAN-2009	31-JAN-2009
8 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-JAN-2009	31-JAN-2009
9 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-JAN-2009	31-JAN-2009
0 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.24	NULL	01-JAN-2009	31-JAN-2009
1 083	HEAT REJ***9	NULL	2.724	NULL	NULL	NULL	01-FEB-2009	28-FEB-2009
2 002	PH	NULL	NULL	7.67	NULL	7.77	01-FEB-2009	28-FEB-2009
3 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-FEB-2009	28-FEB-2009
4 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.71	NULL	01-FEB-2009	28-FEB-2009
5 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-FEB-2009	28-FEB-2009
6 001	FLOW	543.779	547.200	NULL	NULL	NULL	01-FEB-2009	28-FEB-2009
7 001	FLOW	537.686	547.200	NULL	NULL	NULL	01-MAR-2009	31-MAR-2009
8 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-MAR-2009	31-MAR-2009
9 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	1.02	NULL	01-MAR-2009	31-MAR-2009
0 002	PH	NULL	NULL	6.85	NULL	7.39	01-MAR-2009	31-MAR-2009
1 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-MAR-2009	31-MAR-2009
2 083	HEAT REJ***9	NULL	2.757	NULL	NULL	NULL	01-MAR-2009	31-MAR-2009
3 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-APR-2009	30-APR-2009
4 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-APR-2009	30-APR-2009
5 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.85	NULL	01-APR-2009	30-APR-2009
6 002	PH	NULL	NULL	6.98	NULL	7.35	01-APR-2009	30-APR-2009
7 001	FLOW	472.035	547.200	NULL	NULL	NULL	01-APR-2009	30-APR-2009
8 083	HEAT REJ***9	NULL	2.629	NULL	NULL	NULL	01-APR-2009	30-APR-2009
9 002	HEAT REJ***9	NULL	2.773	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
0 002	PH	NULL	NULL	6.93	NULL	7.33	01-MAY-2009	31-MAY-2009

Permit No	VAA004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	001	Reporting Frequency <All>			
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date	
1	013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.49	NULL	01-MAY-2009	31-MAY-2009
2	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.06	NULL	01-MAY-2009	31-MAY-2009
3	158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-MAY-2009	31-MAY-2009	
4	001	FLOW	486.493	590.400	NULL	NULL	01-MAY-2009	31-MAY-2009	
5	001	FLOW	614.675	633.600	NULL	NULL	01-JUN-2009	30-JUN-2009	
6	158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-JUN-2009	30-JUN-2009	
7	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.07	NULL	01-JUN-2009	30-JUN-2009	
8	013	NITROGEN, TOTAL (AS N)	NULL	NULL	1.03	NULL	01-JUN-2009	30-JUN-2009	
9	002	PH	NULL	6.70	NULL	7.11	01-JUN-2009	30-JUN-2009	
1	083	HEAT REJ***9	NULL	2.797	NULL	NULL	01-JUN-2009	30-JUN-2009	
2	001	FLOW	624.540	633.600	NULL	NULL	01-JUL-2009	31-JUL-2009	
3	158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-JUL-2009	31-JUL-2009	
4	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.09	NULL	01-JUL-2009	31-JUL-2009	
5	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.69	NULL	01-JUL-2009	31-JUL-2009	
6	002	PH	NULL	7.31	NULL	7.44	01-JUL-2009	31-JUL-2009	
7	001	FLOW	572.984	583.600	NULL	NULL	01-AUG-2009	31-AUG-2009	
8	158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-AUG-2009	31-AUG-2009	
9	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.12	NULL	01-AUG-2009	31-AUG-2009	
0	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.15	NULL	01-AUG-2009	31-AUG-2009	
1	002	PH	NULL	7.00	NULL	7.71	01-AUG-2009	31-AUG-2009	
2	083	HEAT REJ***9	NULL	2.794	NULL	NULL	01-AUG-2009	31-AUG-2009	
3	002	PH	NULL	7.07	NULL	7.12	01-SEP-2009	30-SEP-2009	
4	158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-SEP-2009	30-SEP-2009	
5	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.07	NULL	01-SEP-2009	30-SEP-2009	
6	013	NITROGEN, TOTAL(AS N)	NULL	NULL	0.40	NULL	01-SEP-2009	30-SEP-2009	
7	083	HEAT REJ***9	NULL	2.558	NULL	NULL	01-SEP-2009	30-SEP-2009	

Permit No. VA0004081 Facility Name Dominion - Chesapeake Energy Center Outfall No. 001 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
B 001	FLOW	456.017	511.200	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
9 083	HEAT REJ**g	NULL	1,107	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
5 001	FLOW	214.055	346.440	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
1 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.08	NULL	01-OCT-2009	31-OCT-2009	
2 013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.71	NULL	01-OCT-2009	31-OCT-2009	
3 158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-OCT-2009	31-OCT-2009	
4 002	PH	NULL	7.34	NULL	7.37	01-OCT-2009	31-OCT-2009	
5 001	FLOW	455.064	590.400	NULL	NULL	01-NOV-2009	30-NOV-2009	
6 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.07	NULL	01-NOV-2009	30-NOV-2009	
7 013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.88	NULL	01-NOV-2009	30-NOV-2009	
8 158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-NOV-2009	30-NOV-2009	
9 002	PH	NULL	6.89	NULL	7.61	01-NOV-2009	30-NOV-2009	
0 083	HEAT REJ**g	NULL	2,576	NULL	NULL	01-NOV-2009	30-NOV-2009	
1 083	HEAT REJ**g	NULL	2,680	NULL	NULL	01-DEC-2009	31-DEC-2009	
2 002	PH	NULL	6.38	NULL	7.02	01-DEC-2009	31-DEC-2009	
3 158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-DEC-2009	31-DEC-2009	
4 013	NITROGEN, TOTAL (AS N)	NULL	NULL	1.14	NULL	01-DEC-2009	31-DEC-2009	
5 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.05	NULL	01-DEC-2009	31-DEC-2009	
6 001	FLOW	550.091	590.400	NULL	NULL	01-DEC-2009	31-DEC-2009	
7 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	<0.05	NULL	01-JAN-2010	31-JAN-2010	
8 013	NITROGEN, TOTAL (AS N)	NULL	NULL	1.30	NULL	01-JAN-2010	31-JAN-2010	
9 158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-JAN-2010	31-JAN-2010	
001	FLOW	575.206	633.600	NULL	NULL	01-JAN-2010	31-JAN-2010	
001	HEAT REJ**g	NULL	2,705	NULL	NULL	01-JAN-2010	31-JAN-2010	
02 002	PH	NULL	6.82	NULL	6.95	01-JAN-2010	31-JAN-2010	
03 001	FLOW	539.858	616.440	NULL	NULL	01-FEB-2010	28-FEB-2010	
04 083	HEAT REJ**g	NULL	2,676	NULL	NULL	01-FEB-2010	28-FEB-2010	

ermil No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	001	Reporting Frequency <All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
05 002	PH	NULL	NULL	6.72	NULL	7.16	01-FEB-2010	28-FEB-2010
06 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-FEB-2010	28-FEB-2010
07 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.57	NULL	01-FEB-2010	28-FEB-2010
08 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-FEB-2010	28-FEB-2010
09 002	PH	NULL	NULL	6.82	NULL	7.34	01-MAR-2010	31-MAR-2010
10 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-MAR-2010	31-MAR-2010
11 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-MAR-2010	31-MAR-2010
12 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.77	NULL	01-MAR-2010	31-MAR-2010
13 083	HEAT REJ**9	NULL	2.676	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
14 001	FLOW	585.078	580.400	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
15 002	PH	NULL	NULL	7.14	NULL	7.33	01-APR-2010	30-APR-2010
16 001	FLOW	475.630	580.400	NULL	NULL	NULL	01-APR-2010	30-APR-2010
17 083	HEAT REJ**9	NULL	2.725	NULL	NULL	NULL	01-APR-2010	30-APR-2010
18 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-APR-2010	30-APR-2010
19 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-APR-2010	30-APR-2010
20 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.80	NULL	01-APR-2010	30-APR-2010
21 001	FLOW	587.766	591.680	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
22 083	HEAT REJ**9	NULL	2.759	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
23 002	PH	NULL	NULL	7.13	NULL	7.35	01-MAY-2010	31-MAY-2010
24 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-MAY-2010	31-MAY-2010
25 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.62	NULL	01-MAY-2010	31-MAY-2010
26 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-MAY-2010	31-MAY-2010
27 001	FLOW	610.239	633.600	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010
28 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.05	NULL	01-JUN-2010	30-JUN-2010
29 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.68	NULL	01-JUN-2010	30-JUN-2010
30 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-JUN-2010	30-JUN-2010
31 002	PH	NULL	NULL	7.03	NULL	7.03	01-JUN-2010	30-JUN-2010

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	001	Reporting Frequency	<All>	
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
32	083 HEAT REJ***9	NULL	2.780	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010
33	012 PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.08	NULL	01-JUL-2010	31-JUL-2010
34	013 NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	<0.30	NULL	01-JUL-2010	31-JUL-2010
35	158 CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-JUL-2010	31-JUL-2010
36	001 FLOW	620.996	633.600	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
37	083 HEAT REJ***9	NULL	2.814	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
38	002 PH	NULL	6.81	NULL	NULL	7.32	01-JUL-2010	31-JUL-2010
39	012 PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.12	NULL	01-AUG-2010	31-AUG-2010
40	013 NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.22	NULL	01-AUG-2010	31-AUG-2010
41	158 CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-AUG-2010	31-AUG-2010
42	001 FLOW	629.404	633.600	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
43	083 HEAT REJ***9	NULL	2.827	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
44	002 PH	NULL	6.66	NULL	NULL	6.97	01-AUG-2010	31-AUG-2010
45	002 PH	NULL	7.38	NULL	NULL	7.40	01-SEP-2010	30-SEP-2010
46	083 HEAT REJ***9	NULL	2.802	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
47	001 FLOW	412.817	633.600	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
48	158 CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-SEP-2010	30-SEP-2010
49	013 NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.38	NULL	01-SEP-2010	30-SEP-2010
50	012 PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.10	NULL	01-SEP-2010	30-SEP-2010
51	012 PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.06	NULL	01-OCT-2010	31-OCT-2010
52	158 CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-OCT-2010	31-OCT-2010
53	013 NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.82	NULL	01-OCT-2010	31-OCT-2010
54	001 FLOW	399.315	500.310	NULL	NULL	NULL	01-OCT-2010	31-OCT-2010
55	083 HEAT REJ***9	NULL	2.100	NULL	NULL	NULL	01-OCT-2010	31-OCT-2010
56	002 PH	NULL	6.82	NULL	NULL	7.13	01-OCT-2010	31-OCT-2010
57	001 FLOW	478.546	590.400	NULL	NULL	NULL	01-NOV-2010	30-NOV-2010
58	083 HEAT REJ***9	NULL	2.072	NULL	NULL	NULL	01-NOV-2010	30-NOV-2010

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Cutoff No	001	Reporting Frequency <All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
59 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.68	NULL	01-NOV-2010	30-NOV-2010
50 002	PH	NULL	NULL	7.30	NULL	7.34	01-NOV-2010	30-NOV-2010
61 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.06	NULL	01-NOV-2010	30-NOV-2010
62 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-NOV-2010	30-NOV-2010
63 002	PH	NULL	NULL	7.17	NULL	7.38	01-DEC-2010	31-DEC-2010
64 083	HEAT REJ**9	NULL	2.676	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010
65 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-DEC-2010	31-DEC-2010
66 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.06	NULL	01-DEC-2010	31-DEC-2010
67 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.59	NULL	01-DEC-2010	31-DEC-2010
68 001	FLOW	500.077	547.200	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010
69 083	HEAT REJ**9	NULL	2.675	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
70 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-JAN-2011	31-JAN-2011
71 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-JAN-2011	31-JAN-2011
72 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.50	NULL	01-JAN-2011	31-JAN-2011
73 001	FLOW	501.326	547.200	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
74 002	PH	NULL	NULL	7.18	NULL	7.18	01-JAN-2011	31-JAN-2011
75 083	HEAT REJ**9	NULL	2.732	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
76 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.29	NULL	01-FEB-2011	28-FEB-2011
77 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-FEB-2011	28-FEB-2011
78 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-FEB-2011	28-FEB-2011
79 002	PH	NULL	NULL	7.67	NULL	7.73	01-FEB-2011	28-FEB-2011
80 001	FLOW	424.885	427.680	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
81 083	HEAT REJ**9	NULL	2.753	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
82 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.50	NULL	01-MAR-2011	31-MAR-2011
83 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-MAR-2011	31-MAR-2011
84 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-MAR-2011	31-MAR-2011
85 002	PH	NULL	NULL	7.36	NULL	7.63	01-MAR-2011	31-MAR-2011

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	001	Reporting Frequency <All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
86 001	FLOW	432.983	487.035	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
87 083	HEAT REJ**g	NULL	2.717	NULL	NULL	NULL	01-APR-2011	30-APR-2011
88 002	PH	NULL	NULL	7.49	NULL	7.67	01-APR-2011	30-APR-2011
89 001	FLOW	482.228	590.400	NULL	NULL	NULL	01-APR-2011	30-APR-2011
90 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-APR-2011	30-APR-2011
91 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-APR-2011	30-APR-2011
92 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.58	NULL	01-APR-2011	30-APR-2011
93 001	FLOW	529.634	590.400	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011
94 013	NITROGEN, TOTAL (ASN)	NULL	NULL	0.50	NULL	01-MAY-2011	31-MAY-2011	
95 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.08	NULL	01-MAY-2011	31-MAY-2011	
96 158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-MAY-2011	31-MAY-2011	
97 002	PH	NULL	NULL	7.00	NULL	7.66	01-MAY-2011	31-MAY-2011
98 083	HEAT REJ**g	NULL	2.779	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011
99 083	HEAT REJ**g	NULL	2.797	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
00 002	PH	NULL	NULL	7.31	NULL	7.36	01-JUN-2011	30-JUN-2011
01 158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-JUN-2011	30-JUN-2011	
02 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.08	NULL	01-JUN-2011	30-JUN-2011	
03 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	<0.30	NULL	01-JUN-2011	30-JUN-2011
04 001	FLOW	552.647	633.600	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
05 013	NITROGEN, TOTAL (ASN)	NULL	NULL	0.44	NULL	01-JUL-2011	31-JUL-2011	
06 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.12	NULL	01-JUL-2011	31-JUL-2011	
07 158	CL2, TOTAL FINAL	NULL	NULL	<QL	<QL	01-JUL-2011	31-JUL-2011	
08 002	PH	NULL	6.92	NULL	7.02	01-JUL-2011	31-JUL-2011	
09 001	FLOW	618.366	633.600	NULL	NULL	01-JUL-2011	31-JUL-2011	
10 003	HEAT REJ**g	NULL	2.838	NULL	NULL	01-JUL-2011	31-JUL-2011	
11 003	HEAT REJ**g	NULL	2.796	NULL	NULL	01-AUG-2011	31-AUG-2011	
12 001	FLOW	618.099	633.600	NULL	NULL	01-AUG-2011	31-AUG-2011	

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	001	Reporting Frequency	<All>	
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
13 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.42	NULL	01-AUG-2011	31-AUG-2011
14 158	QL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-AUG-2011	31-AUG-2011
15 002	PH	NULL	NULL	7.40	NULL	7.53	01-AUG-2011	31-AUG-2011
16 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.16	NULL	01-AUG-2011	31-AUG-2011
17 158	CL2, TOTAL FINAL	NULL	NULL	NULL	<QL	<QL	01-SEP-2011	30-SEP-2011
18 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.52	NULL	01-SEP-2011	30-SEP-2011
19 002	PH	NULL	NULL	7.18	NULL	7.22	01-SEP-2011	30-SEP-2011
20 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.11	NULL	01-SEP-2011	30-SEP-2011
21 001	FLOW	523,709	633,600	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011
22 083	HEAT RE #9	NULL	2.767	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011

Dominion - Chesapeake Energy Center

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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date	
005	CL2, TOTAL	NULL	NULL	NULL	<QL	<QL	01-JUL-2008	30-SEP-2008	
066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008	
023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008	
016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008	
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008	
047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008	
445	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008	
800	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-SEP-2008	30-SEP-2008	
871	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.14	0.17	01-SEP-2008	30-SEP-2008		
004	TSS	NULL	NULL	NULL	15	22	01-SEP-2008	30-SEP-2008	
0	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.26	NULL	01-SEP-2008	30-SEP-2008		
1	012	NULL	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008		
2	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.48	NULL	01-SEP-2008	30-SEP-2008	
3	002	PH	NULL	7.63	NULL	7.89	01-SEP-2008	30-SEP-2008	
4	001	FLOW	1,714	2,523	NULL	NULL	01-SEP-2008	30-SEP-2008	
5	500	OIL & GREASE	NULL	NULL	<5.00	<5.00	01-OCT-2008	31-OCT-2008	
6	671	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.11	0.13	01-OCT-2008	31-OCT-2008	
7	004	TSS	NULL	NULL	9.0	9.8	01-OCT-2008	31-OCT-2008	
8	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.23	NULL	01-OCT-2008	31-OCT-2008	
9	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.55	NULL	01-OCT-2008	31-OCT-2008	
0	002	PH	NULL	7.84	NULL	8.41	01-OCT-2008	31-OCT-2008	
1	001	FLOW	0.941	1,387	NULL	NULL	01-OCT-2008	31-OCT-2008	
2	005	CL2, TOTAL	NULL	NULL	<QL	<QL	01-OCT-2008	31-DEC-2008	
3	002	PH	NULL	7.83	NULL	7.84	01-NOV-2008	30-NOV-2008	

ermit No VAQ004081 Facility Name Dominion - Chesapeake Energy Center Outfall No 002 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
4 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	3.54	NULL	01-NOV-2008	30-NOV-2008
5 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.15	NULL	01-NOV-2008	30-NOV-2008
6 004	TSS	NULL	NULL	NULL	6.1	6.3	01-NOV-2008	30-NOV-2008
7 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	1.11	2.22	01-NOV-2008	30-NOV-2008
8 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-NOV-2008	30-NOV-2008
9 001	FLOW	1.714	2.523	NULL	NULL	NULL	01-NOV-2008	30-NOV-2008
0 002	PH	NULL	NULL	NULL	7.80	NULL	01-DEC-2008	31-DEC-2008
1 001	FLOW	1.387	1.387	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
2 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-DEC-2008	31-DEC-2008
3 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.33	0.52	01-DEC-2008	31-DEC-2008
4 004	TSS	NULL	NULL	NULL	8.2	9.1	01-DEC-2008	31-DEC-2008
5 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.11	NULL	01-DEC-2008	31-DEC-2008
6 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	2.74	NULL	01-DEC-2008	31-DEC-2008
7 001	FLOW	2.523	2.523	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
8 002	PH	NULL	NULL	7.91	NULL	7.93	01-JAN-2009	31-JAN-2009
9 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JAN-2009	31-JAN-2009
0 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.06	0.06	01-JAN-2009	31-JAN-2009
1 004	TSS	NULL	NULL	NULL	17	17	01-JAN-2009	31-JAN-2009
2 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.08	NULL	01-JAN-2009	31-JAN-2009
3 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.24	NULL	01-JAN-2009	31-JAN-2009
4 005	CL2, TOTAL	NULL	NULL	NULL	<QL	<QL	01-JAN-2009	31-MAR-2009
5 016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
6 066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
7 445	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
8 047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
9 442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
0 023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009

Permit No	VA000-081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency	<All>	
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
1	500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-FEB-2009
2	001	FLOW	1.955	2.523	NULL	NULL	NULL	01-FEB-2009
3	002	PH	NULL	NULL	8.13	NULL	8.15	01-FEB-2009
4	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.41	NULL	01-FEB-2009	28-FEB-2009
5	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	<0.05	NULL	01-FEB-2009	28-FEB-2009
6	004	TSS	NULL	NULL	12	0.06	0.07	01-FEB-2009
7	671	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.05	<QL	<QL	28-FEB-2009
8	671	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.48	NULL	01-MAR-2009	31-MAR-2009
9	004	TSS	NULL	NULL	13	<5.00	16	01-MAR-2009
0	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.05	NULL	01-MAR-2009	31-MAR-2009
1	013	NITROGEN, TOTAL (AS N)	NULL	NULL	7.94	NULL	01-MAR-2009	31-MAR-2009
2	500	OIL & GREASE	NULL	NULL	2.523	2.523	NULL	01-MAR-2009
3	002	PH	NULL	NULL	0.904	NULL	8.30	31-MAR-2009
4	001	FLOW	2.523	2.523	NULL	NULL	01-MAR-2009	31-MAR-2009
5	001	FLOW	0.904	0.904	NULL	NULL	01-APR-2009	30-APR-2009
6	002	PH	NULL	NULL	7.59	<QL	8.14	01-APR-2009
7	671	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.06	0.06	01-APR-2009	30-APR-2009
8	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.75	NULL	01-APR-2009	30-APR-2009
9	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.08	NULL	01-APR-2009	30-APR-2009
0	004	TSS	NULL	NULL	9.8	12	01-APR-2009	30-APR-2009
1	500	OIL & GREASE	NULL	NULL	<5.00	<5.00	01-APR-2009	30-APR-2009
2	005	CL2, TOTAL	NULL	NULL	NULL	<QL	01-APR-2009	30-JUN-2009
3	671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	01-MAY-2009	31-MAY-2009
4	004	TSS	NULL	NULL	7.4	11	01-MAY-2009	31-MAY-2009
5	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.13	NULL	01-MAY-2009	31-MAY-2009
6	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	<QL	<QL	01-MAY-2009	31-MAY-2009
7	002	PH	NULL	NULL	7.40	7.64	01-MAY-2009	31-MAY-2009

Permit No	VAD0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency	<All>
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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
8	001 FLOW	1.146	1.387	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
9	500 OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-MAY-2009	31-MAY-2009
0	500 OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JUN-2009	30-JUN-2009
1	001 FLOW	2.523	2.523	NULL	NULL	NULL	01-JUN-2009	30-JUN-2009
2	002 PH	NULL	NULL	7.51	NULL	7.61	01-JUN-2009	30-JUN-2009
3	013 NITROGEN, TOTAL (AS N)	NULL	NULL	0.80	NULL	01-JUN-2009	30-JUN-2009	
4	012 PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.14	NULL	01-JUN-2009	30-JUN-2009	
5	004 TSS	NULL	NULL	9.4	12	01-JUN-2009	30-JUN-2009	
6	671 AMMONIA (AS NH3), TOTAL	NULL	NULL	0.22	0.22	01-JUN-2009	30-JUN-2009	
7	001 FLOW	2.523	2.523	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
8	002 PH	NULL	NULL	8.18	NULL	8.22	01-JUL-2009	31-JUL-2009
9	013 NITROGEN, TOTAL (AS N)	NULL	NULL	0.42	NULL	01-JUL-2009	31-JUL-2009	
0	012 PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.14	NULL	01-JUL-2009	31-JUL-2009	
1	004 TSS	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
2	671 AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
3	005 OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	30-SEP-2009
4	005 OIL & TOTAL	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
5	023 CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NULL	NULL	NR	01-JUL-2009
6	016 CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NULL	NR	01-JUL-2009
7	442 COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	NULL	NR	01-JUL-2009
8	047 VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009
9	445 NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009
0	066 PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009
01	671 AMMONIA (AS NH3), TOTAL	NULL	NULL	0.05	0.05	0.05	01-AUG-2009	31-AUG-2009
02	001 FLOW	1.955	2.523	NULL	NULL	NULL	01-AUG-2009	31-AUG-2009
03	002 PH	NULL	NULL	7.64	NULL	7.90	01-AUG-2009	31-AUG-2009
04	500 OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-AUG-2009	31-AUG-2009

ermitt No VA0004081 Facility Name Dominion- Chesapeake Energy Center Outfall No 002 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAvg	QTYMax	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
05 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	<0.30	NULL	01-AUG-2009	31-AUG-2009
06 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.10	NULL	01-AUG-2009	31-AUG-2009
07 004	TSS	NULL	NULL	NULL	11	13	01-AUG-2009	31-AUG-2009
08 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.08	0.09	01-SEP-2009	30-SEP-2009
09 004	TSS	NULL	NULL	NULL	6.2	7.0	01-SEP-2009	30-SEP-2009
10 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.12	NULL	01-SEP-2009	30-SEP-2009
11 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.12	NULL	01-SEP-2009	30-SEP-2009
12 002	PH	NULL	NULL	7.83	NULL	7.93	01-SEP-2009	30-SEP-2009
13 001	FLOW	1.387	1.387	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
14 600	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-SEP-2009	30-SEP-2009
15 002	PH	NULL	NULL	6.80	NULL	7.55	01-OCT-2009	31-OCT-2009
16 001	FLOW	0.540	0.904	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
17 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	4.20	NULL	01-OCT-2009	31-OCT-2009
18 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<0.05	NULL	01-OCT-2009	31-OCT-2009
19 004	TSS	NULL	NULL	NULL	20	33	01-OCT-2009	31-OCT-2009
20 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	3.83	5.20	01-OCT-2009	31-OCT-2009
21 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-OCT-2009	31-OCT-2009
22 005	CL2, TOTAL	NULL	NULL	NULL	<QL	<QL	01-OCT-2009	31-DEC-2009
23 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-NOV-2009	30-NOV-2009
24 001	FLOW	0.904	0.904	NULL	NULL	NULL	01-NOV-2009	30-NOV-2009
25 002	PH	NULL	NULL	7.62	NULL	7.84	01-NOV-2009	30-NOV-2009
26 004	TSS	NULL	NULL	NULL	6.2	8.3	01-NOV-2009	30-NOV-2009
27 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.63	NULL	01-NOV-2009	30-NOV-2009
28 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.12	NULL	01-NOV-2009	30-NOV-2009
29 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.14	0.17	01-NOV-2009	30-NOV-2009
30 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.20	0.21	01-DEC-2009	31-DEC-2009
31 004	TSS	NULL	NULL	NULL	30	40	01-DEC-2009	31-DEC-2009

Permit No	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency <All>	Monitoring Start Date	Monitoring End Date	
32	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.08	NULL	01-DEC-2009	31-DEC-2009
33	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.87	NULL	01-DEC-2009	31-DEC-2009
34	002	PH	NULL	NULL	6.87	NULL	01-DEC-2009	31-DEC-2009
35	001	FLOW	0.904	0.904	NULL	NULL	01-DEC-2009	31-DEC-2009
36	500	OIL & GREASE	NULL	NULL	<5.00	NULL	01-DEC-2009	31-DEC-2009
37	002	PH	NULL	NULL	7.40	NULL	01-JAN-2010	31-JAN-2010
38	001	FLOW	1.985	2.523	NULL	NULL	01-JAN-2010	31-JAN-2010
39	500	OIL & GREASE	NULL	NULL	<5.00	NULL	01-JAN-2010	31-JAN-2010
40	671	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.80	1.41	01-JAN-2010	31-JAN-2010
41	004	TSS	NULL	NULL	25	30	01-JAN-2010	31-JAN-2010
42	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.09	NULL	01-JAN-2010	31-JAN-2010
43	013	NITROGEN, TOTAL (AS N)	NULL	NULL	1.82	NULL	01-JAN-2010	31-JAN-2010
44	005	CL2, TOTAL	NULL	NULL	NULL	<QL	01-JAN-2010	31-MAR-2010
45	445	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010
46	442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	7	01-JAN-2010	30-JUN-2010
47	047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010
48	018	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010
49	028	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010
50	066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010
51	500	OIL & GREASE	NULL	NULL	<5.00	<5.00	01-FEB-2010	28-FEB-2010
52	671	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.09	0.18	01-FEB-2010	28-FEB-2010
53	004	TSS	NULL	NULL	28	28	01-FEB-2010	28-FEB-2010
54	012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.12	NULL	01-FEB-2010	28-FEB-2010
55	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.23	NULL	01-FEB-2010	28-FEB-2010
56	002	PH	NULL	NULL	7.41	NULL	01-FEB-2010	28-FEB-2010
57	001	FLOW	2.523	2.523	NULL	NULL	01-FEB-2010	28-FEB-2010
58	013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.63	NULL	01-MAR-2010	31-MAR-2010

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency <All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
59	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.09	0.10	01-MAR-2010	31-MAR-2010	
60	PH	NULL	NULL	7.37	NULL	7.74	01-MAR-2010	31-MAR-2010
61	FLOW	2.523	2.523	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
62	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-MAR-2010	31-MAR-2010
63	TSS	NULL	NULL	NULL	6.5	7.4	01-MAR-2010	31-MAR-2010
64	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.14	NULL	01-MAR-2010	31-MAR-2010	
65	NITROGEN, TOTAL (AS N)	NULL	NULL	0.60	NULL	01-MAR-2010	30-APR-2010	
66	OIL & GREASE	NULL	NULL	<6.00	<6.00	01-APR-2010	30-APR-2010	
67	AMMONIA (AS NH3), TOTAL	NULL	NULL	<QL	0.12	01-APR-2010	30-APR-2010	
68	TSS	NULL	NULL	12	14	01-APR-2010	30-APR-2010	
69	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.08	NULL	01-APR-2010	30-APR-2010	
70	FLOW	1.886	3.505	NULL	NULL	01-APR-2010	30-APR-2010	
71	PH	NULL	NULL	7.61	NULL	8.03	01-APR-2010	30-APR-2010
72	CL2, TOTAL	NULL	NULL	NULL	<QL	01-APR-2010	30-JUN-2010	
73	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.08	NULL	01-MAY-2010	31-MAY-2010	
74	TSS	NULL	NULL	24	33	01-MAY-2010	31-MAY-2010	
75	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.08	0.16	01-MAY-2010	31-MAY-2010	
76	OIL & GREASE	NULL	NULL	<5.0	<5.0	01-MAY-2010	31-MAY-2010	
77	NITROGEN, TOTAL (AS N)	NULL	NULL	0.32	NULL	01-MAY-2010	31-MAY-2010	
78	PH	NULL	NULL	7.32	NULL	8.11	01-MAY-2010	31-MAY-2010
79	FLOW	1.402	1.959	NULL	NULL	01-MAY-2010	31-MAY-2010	
80	OIL & GREASE	NULL	NULL	<5.00	<5.00	01-JUN-2010	30-JUN-2010	
81	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	01-JUN-2010	30-JUN-2010	
82	TSS	NULL	NULL	24	31	01-JUN-2010	30-JUN-2010	
83	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.10	NULL	01-JUN-2010	30-JUN-2010	
84	PH	NULL	NULL	7.61	NULL	8.02	01-JUN-2010	30-JUN-2010
85	FLOW	1.266	1.387	NULL	NULL	01-JUN-2010	30-JUN-2010	

permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency	<All>
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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
86 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.56	NULL	01-JUN-2010	30-JUN-2010
87 001	FLOW	0.904	0.904	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
88 002	PH	NULL	NULL	8.11	NULL	8.12	01-JUL-2010	31-JUL-2010
89 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.14	NULL	01-JUL-2010	31-JUL-2010
90 004	TSS	NULL	NULL	NULL	20	25	01-JUL-2010	31-JUL-2010
91 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	<QL	01-JUL-2010	31-JUL-2010
92 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JUL-2010	31-JUL-2010
93 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	<0.30	NULL	01-JUL-2010	31-JUL-2010
94 005	CL2, TOTAL	NULL	NULL	NULL	<QL	<QL	01-JUL-2010	30-SEP-2010
95 066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
96 016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
97 047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
98 442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
99 023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
00 445	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
01 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	<0.30	NULL	01-AUG-2010	31-AUG-2010
02 002	PH	NULL	NULL	7.80	NULL	7.92	01-AUG-2010	31-AUG-2010
03 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.18	NULL	01-AUG-2010	31-AUG-2010
04 004	TSS	NULL	NULL	NULL	22	26	01-AUG-2010	31-AUG-2010
05 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	<QL	01-AUG-2010	31-AUG-2010
06 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-AUG-2010	31-AUG-2010
07 001	FLOW	1.146	1.146	NULL	NULL	01-AUG-2010	31-AUG-2010	
08 001	FLOW	0.212	0.336	NULL	NULL	01-SEP-2010	30-SEP-2010	
09 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-SEP-2010	30-SEP-2010
10 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.54	1.07	01-SEP-2010	30-SEP-2010
11 004	TSS	NULL	NULL	NULL	29	66	01-SEP-2010	30-SEP-2010
12 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	<QL	01-SEP-2010	30-SEP-2010	



Permit No	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency	<All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
13 002	PH	NULL	NULL	7.38	NULL	8.37	01-SEP-2010	30-SEP-2010
14 013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.76	NULL	0.76	01-SEP-2010	30-SEP-2010
15 001	FLOW	0.256	0.336	NULL	NULL	NULL	01-OCT-2010	31-OCT-2010
16 002	PH	NULL	NULL	8.74	NULL	8.36	01-OCT-2010	31-OCT-2010
17 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.18	NULL	0.18	01-OCT-2010	31-OCT-2010
18 004	TSS	NULL	NULL	21	24	24	01-OCT-2010	31-OCT-2010
19 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	<QL	<QL	<QL	01-OCT-2010	31-OCT-2010
20 500	OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-OCT-2010	31-OCT-2010
21 013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.44	NULL	0.1	01-OCT-2010	31-OCT-2010
22 005	CL2, TOTAL	NULL	NULL	<QL	<QL	<QL	01-OCT-2010	31-DEC-2010
23 001	FLOW	0.495	0.495	NULL	NULL	NULL	01-NOV-2010	30-NOV-2010
24 013	NITROGEN, TOTAL (AS N)	NULL	NULL	<0.30	NULL	0.1	01-NOV-2010	30-NOV-2010
25 500	OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-NOV-2010	30-NOV-2010
26 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	<QL	<QL	<QL	01-NOV-2010	30-NOV-2010
27 004	TSS	NULL	NULL	28	27	01-NOV-2010	30-NOV-2010	
28 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.15	NULL	0.15	01-NOV-2010	30-NOV-2010
29 002	PH	NULL	NULL	8.18	NULL	8.36	01-NOV-2010	30-NOV-2010
30 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-DEC-2010	31-DEC-2010
31 013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.16	NULL	0.16	01-DEC-2010	31-DEC-2010
32 001	FLOW	0.802	0.904	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010
33 002	PH	NULL	NULL	7.80	NULL	7.62	01-DEC-2010	31-DEC-2010
34 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	0.11	0.16	0.16	01-DEC-2010	31-DEC-2010
35 004	TSS	NULL	NULL	NULL	21	26	01-DEC-2010	31-DEC-2010
36 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	0.17	NULL	0.17	01-DEC-2010	31-DEC-2010
37 001	FLOW	1.146	1.387	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
38 002	PH	NULL	NULL	7.05	NULL	7.40	01-JAN-2011	31-JAN-2011
39 013	NITROGEN, TOTAL (AS N)	NULL	NULL	0.63	NULL	0.1	01-JAN-2011	31-JAN-2011
40 500	OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-JAN-2011	31-JAN-2011

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency <All>		
Parameter Code	Parameter Description	QTY+ANG	QTY+MAX	CONC+MIN	CONC+AVG	CONC+MAX	Monitoring Start Date	Monitoring End Date
41 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.20	0.27	01-JAN-2011	31-JAN-2011
42 004	TSS	NULL	NULL	NULL	18	18	01-JAN-2011	31-JAN-2011
43 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.10	NULL	01-JAN-2011	31-JAN-2011
44 005	CL2, TOTAL	NULL	NULL	NULL	<QL	<QL	01-JAN-2011	31-MAR-2011
45 066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
46 016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
47 047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
48 442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<QL	01-JAN-2011	30-JUN-2011
49 445	NICKEL, DISSOLVED (UG/L AS Ni)	NULL	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
50 023	CHROMIUM, HEXAVALENT- (AS CR)	NULL	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
51 001	FLOW	0.923	1.146	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
52 002	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.30	NULL	01-FEB-2011	28-FEB-2011
53 012	PH	NULL	NULL	NULL	7.67	7.71	01-FEB-2011	28-FEB-2011
54 004	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.16	NULL	01-FEB-2011	28-FEB-2011
55 671	TSS	NULL	NULL	NULL	30	36	01-FEB-2011	28-FEB-2011
56 600	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.10	0.12	01-FEB-2011	28-FEB-2011
57 600	OIL & GREASE	NULL	NULL	NULL	NULL	<0.00	01-FEB-2011	28-FEB-2011
58 671	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-MAR-2011	31-MAR-2011
59 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	<QL	01-MAR-2011	31-MAR-2011
60 004	ISS	NULL	NULL	NULL	22	28	01-MAR-2011	31-MAR-2011
61 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.10	NULL	01-MAR-2011	31-MAR-2011
62 002	PH	NULL	NULL	7.71	NULL	8.20	01-MAR-2011	31-MAR-2011
63 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	<0.30	NULL	01-MAR-2011	31-MAR-2011
64 001	FLOW	0.485	0.495	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
65 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	<0.30	NULL	01-APR-2011	30-APR-2011
66 001	FLOW	0.744	0.796	NULL	NULL	NULL	01-APR-2011	30-APR-2011
67 002	PH	NULL	7.69	NULL	7.78	01-APR-2011	30-APR-2011	

Permit No	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency	<All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
68 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.08	NULL	01-APR-2011	30-APR-2011
69 004	TSS	NULL	NULL	NULL	30	38	01-APR-2011	30-APR-2011
70 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	<QL	01-APR-2011	30-APR-2011
71 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-APR-2011	30-APR-2011
72 005	CL2, TOTAL	NULL	NULL	NULL	<QL	<QL	01-APR-2011	30-JUN-2011
73 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.06	0.06	01-MAY-2011	31-MAY-2011
74 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-MAY-2011	31-MAY-2011
75 004	TSS	NULL	NULL	NULL	26	29	01-MAY-2011	31-MAY-2011
76 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.26	NULL	01-MAY-2011	31-MAY-2011
77 001	FLOW	0.495	0.495	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011
78 002	PH	NULL	NULL	7.84	NULL	7.87	01-MAY-2011	31-MAY-2011
79 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.16	NULL	01-MAY-2011	31-MAY-2011
80 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.02	NULL	01-JUN-2011	30-JUN-2011
81 002	PH	NULL	NULL	7.58	NULL	8.27	01-JUN-2011	30-JUN-2011
82 001	FLOW	0.658	1.139	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
83 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.21	NULL	01-JUN-2011	30-JUN-2011
84 004	TSS	NULL	NULL	NULL	15	18	01-JUN-2011	30-JUN-2011
85 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JUN-2011	30-JUN-2011
86 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	0.10	01-JUN-2011	30-JUN-2011
87 013	NITROGEN, TOTAL (AS N)	NULL	NULL	NULL	0.16	NULL	01-JUL-2011	31-JUL-2011
88 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	0.03	0.06	01-JUL-2011	31-JUL-2011
89 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JUL-2011	31-JUL-2011
90 004	TSS	NULL	NULL	NULL	26	27	01-JUL-2011	31-JUL-2011
91 012	PHOSPHORUS, TOTAL (AS P)	NULL	NULL	NULL	0.16	NULL	01-JUL-2011	31-JUL-2011
92 001	FLOW	0.416	0.495	NULL	NULL	NULL	01-JUL-2011	31-JUL-2011
93 002	PH	NULL	NULL	7.61	NULL	7.96	01-JUL-2011	31-JUL-2011
94 005	CL2, TOTAL	NULL	NULL	NULL	<QL	<QL	01-JUL-2011	30-SEP-2011

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	002	Reporting Frequency	<All>
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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
95 002	PH	NULL	NULL	8.07	NULL	8.37	01-AUG-2011	31-AUG-2011
96 001	FLOW	0.598	0.700	NULL	NULL	NULL	01-AUG-2011	31-AUG-2011
97 012	PHOSPHORUS, TOTAL(AS P)	NULL	NULL	NULL	0.20	NULL	01-AUG-2011	31-AUG-2011
98 004	TSS	NULL	NULL	NULL	19	24	01-AUG-2011	31-AUG-2011
99 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-AUG-2011	31-AUG-2011
00 013	NITROGEN, TOTAL(AS N)	NULL	NULL	NULL	<0.30	NULL	01-AUG-2011	31-AUG-2011
01 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	<QL	01-AUG-2011	31-AUG-2011
02 013	NITROGEN, TOTAL(AS N)	NULL	NULL	NULL	<0.30	NULL	01-SEP-2011	30-SEP-2011
03 671	AMMONIA (AS NH3), TOTAL	NULL	NULL	NULL	<QL	<QL	01-SEP-2011	30-SEP-2011
04 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-SEP-2011	30-SEP-2011
05 001	FLOW	0.518	0.700	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011
06 004	TSS	NULL	NULL	NULL	10	12	01-SEP-2011	30-SEP-2011
07 012	PHOSPHORUS, TOTAL(AS P)	NULL	NULL	NULL	0.12	NULL	01-SEP-2011	30-SEP-2011
08 002	PH	NULL	NULL	8.15	NULL	8.35	01-SEP-2011	30-SEP-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No	Facility Name	Dominion - Chesapeake Energy Cent	Outfall No	003	Reporting Frequency <Alt>			
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
445	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	44	01-JUL-2008	31-DEC-2008
016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008
001	FLOW	0.209	0.209	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008
004	TSS	NULL	NULL	NULL	NULL	20	01-JUL-2008	31-DEC-2008
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JUL-2008	31-DEC-2008
047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<QL	01-JUL-2008	31-DEC-2008
002	PH	NULL	NULL	7.28	7.28	7.28	01-JUL-2008	31-DEC-2008
023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2008	31-DEC-2008
1	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<QL	01-JAN-2009	30-JUN-2009
2	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
3	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
4	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
5	PH	NULL	NULL	7.30	7.30	7.30	01-JAN-2009	30-JUN-2009
6	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<QL	01-JAN-2009	30-JUN-2009
7	TSS	NULL	NULL	NULL	NULL	<QL	01-JAN-2009	30-JUN-2009
8	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009
9	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2009	30-JUN-2009
001	FLOW	0.131	0.131	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009

Permit No	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	003	Reporting Frequency	<All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
2 023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NR	01-JAN-2009	30-JUN-2009	
3 002	PH	NULL	NULL	6.77	6.77	6.77	01-JUL-2009	31-DEC-2009
3 047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009	
4 445	NICKEL, DISSOLVED (UG/L AS (NI))	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009	
6 023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009	
7 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	4.8	01-JUL-2009	31-DEC-2009	
7 442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	<QL	01-JUL-2009	31-DEC-2009	
9 016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009	
9 066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NR	01-JUL-2009	31-DEC-2009	
1 004	TSS	NULL	NULL	NULL	12	01-JUL-2009	31-DEC-2009	
2 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	>0.50	01-JUL-2009	31-DEC-2009	
3 001	FLOW	0.113	0.113	NULL	NULL	01-JUL-2009	31-DEC-2009	
4 002	PH	NULL	NULL	6.07	6.07	01-JAN-2010	30-JUN-2010	
4 047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010	
5 445	NICKEL, DISSOLVED (UG/L AS (NI))	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010	
6 023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010	
8 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	98	01-JAN-2010	30-JUN-2010	
9 442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	<QL	01-JAN-2010	30-JUN-2010	
9 016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010	
1 004	TSS	NULL	NULL	NULL	4.0	01-JAN-2010	30-JUN-2010	
2 066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NR	01-JAN-2010	30-JUN-2010	
2 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	0.036	0.036	NULL	>0.50	01-JAN-2010	30-JUN-2010	
3 001	FLOW	0.036	0.036	NULL	NULL	01-JAN-2010	30-JUN-2010	
4 004	TSS	NULL	NULL	NULL	5.8	01-JUL-2010	31-DEC-2010	

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	003	Reporting Frequency <All>
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Parameter Code	Parameter Description	QTY/AVG	QTY/MAX	CONC/MIN	CONC/AVG	CONC/MAX	Monitoring Start Date	Monitoring End Date
6	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	2.6	01-JUL-2010	31-DEC-2010
7	PH	NULL	NULL	6.18	NULL	6.18	01-JUL-2010	31-DEC-2010
8	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
9	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
448	ZINC, DISSOLVED (AS ZN)	NULL	NULL	NULL	NULL	1592	01-JUL-2010	31-DEC-2010
1	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	73	01-JUL-2010	31-DEC-2010
2	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
3	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NR	01-JUL-2010	31-DEC-2010
4	4068	FLOW	0.098	0.096	NULL	NULL	01-JUL-2010	31-DEC-2010
5	001	FLOW	0.247	0.247	NULL	NULL	01-JUL-2010	31-DEC-2010
6	001	PH	NULL	7.29	NULL	7.29	01-JAN-2011	30-JUN-2011
7	047	VANADIUM, TOTAL (AS V)	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
8	445	NICKEL, DISSOLVED (UG/L AS NI)	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
9	023	CHROMIUM, HEXAVALENT (AS CR)	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
1	448	ZINC, DISSOLVED (AS ZN) (UG/L AS CU)	NULL	NULL	NULL	46	01-JAN-2011	30-JUN-2011
2	442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
3	016	CHROMIUM, TOTAL (AS CR)	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
4	066	PHENOLICS, TOTAL RECOVERABLE	NULL	NULL	NULL	NR	01-JAN-2011	30-JUN-2011
5	004	TSS	NULL	NULL	NULL	12	01-JAN-2011	30-JUN-2011
6	257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	<1.0	01-JAN-2011	30-JUN-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No	VAA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	010	Reporting Frequency	<All>
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	111	01-JAN-2008
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	3	01-JAN-2008
405	LEAD, DISSOLVED	NULL	NULL	NULL	NULL	6	01-JAN-2008
438	ARSENIC, DISSOLVED (UG/L AS AS)	NULL	NULL	NULL	NULL	<QL	01-JAN-2008
001	FLOW	NULL	0.059	NULL	NULL	NULL	01-JUL-2008
004	TSS	NULL	NULL	NULL	NULL	3.5	01-JUL-2008
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	40.50	01-JUL-2008
002	PH	NULL	NULL	7.71	NULL	7.71	01-JUL-2008
004	TSS	NULL	NULL	NULL	NULL	11	01-JAN-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2009
002	FLOW	NULL	NULL	0.056	NULL	NULL	01-JAN-2009
001	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	7.35	01-JAN-2009
348	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	NULL	01-JAN-2009
442	LEAD, DISSOLVED	NULL	NULL	NULL	NULL	<QL	01-JAN-2009
405	ARSENIC, DISSOLVED (UG/L AS AS)	NULL	NULL	NULL	NULL	<QL	01-JAN-2009
6438	PH	NULL	NULL	7.07	NULL	7.07	01-JUL-2009
002	FLOW	NULL	0.010	NULL	NULL	NULL	01-JUL-2009
7001	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.5	01-JUL-2009
8257	TSS	NULL	NULL	NULL	NULL	6.8	01-JUL-2009
9004	TSS	NULL	NULL	NULL	NULL	16	01-JAN-2010
1004	TSS	NULL	NULL	NULL	NULL	30-JUN-2010	

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	010	Reporting Frequency	<All>
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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE FLOW	NULL	NULL	NULL	NULL	<0.50	01-JAN-2010	30-JUN-2010
3001	PH	NULL	0.043	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
4002	ARSENIC, DISSOLVED (UG/L AS AS)	NULL	NULL	7.71	NULL	7.71	01-JAN-2010	30-JUN-2010
4438	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<0.50	01-JAN-2010	31-DEC-2010
5448	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<0.50	01-JAN-2010	31-DEC-2010
6442	LEAD, DISSOLVED	NULL	NULL	NULL	NULL	<0.50	01-JAN-2010	31-DEC-2010
8001	FLOW	NULL	0.080	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
9002	PH	NULL	NULL	7.08	NULL	<0.50	01-JUL-2010	31-DEC-2010
0004	TSS	NULL	NULL	NULL	NULL	<0.50	01-JUL-2010	31-DEC-2010
2257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	1.30	01-JUL-2010	31-DEC-2010
3004	TSS	NULL	NULL	NULL	NULL	27	01-JAN-2011	30-JUN-2011
3257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2011	30-JUN-2011
4001	FLOW	NULL	0.019	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011
6002	PH	NULL	NULL	7.18	NULL	7.18	01-JAN-2011	30-JUN-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No	Facility Name	Dominion - Chesapeake Energy Cent	Outfall No	011	Reporting Frequency	<All>		
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	-0.50	01-JAN-2008	31-DEC-2008
004	TSS	NULL	NULL	NULL	NULL	224	01-JAN-2008	31-DEC-2008
002	PH	NULL	NULL	6.33	NULL	6.33	01-JAN-2008	31-DEC-2008
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<QL	01-JAN-2008	31-DEC-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<QL	01-JAN-2008	31-DEC-2008
001	FLOW	NULL	0.103	NULL	NULL	NULL	01-JAN-2008	31-DEC-2008
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2009	31-DEC-2009
002	PH	NULL	NULL	7.52	NULL	7.52	01-JAN-2009	31-DEC-2009
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<QL	01-JAN-2009	31-DEC-2009
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<QL	01-JAN-2009	31-DEC-2009
001	FLOW	NULL	0.142	NULL	NULL	NULL	01-JAN-2009	31-DEC-2009
1	TSS	NULL	NULL	NULL	NULL	6.1	01-JAN-2009	31-DEC-2009
2	004	NULL	NULL	NULL	NULL	<QL	01-JAN-2010	31-DEC-2010
3	442	NULL	NULL	NULL	NULL	7.51	01-JAN-2010	31-DEC-2010
4	002	PH	NULL	7.51	NULL	7.51	01-JAN-2010	31-DEC-2010
5	448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	<QL	01-JAN-2010	31-DEC-2010
6	257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	<0.50	01-JAN-2010	31-DEC-2010
7	004	TSS	NULL	NULL	NULL	236	01-JAN-2010	31-DEC-2010
8	001	FLOW	NULL	0.053	NULL	NULL	01-JAN-2010	31-DEC-2010



Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	012	Reporting Frequency	<All>
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX
001	FLOW	NULL	0.093	NULL	NULL	NULL
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50
004	TSS	NULL	NULL	NULL	NULL	59
002	PH	NULL	NULL	6.61	NULL	6.81
448	ZINC, DISSOLVED (AS ZN)	NULL	NULL	NULL	NULL	40
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<QL
004	TSS	NULL	NULL	NULL	NULL	5.5
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50
002	PH	NULL	6.76	NULL	6.76	01-JAN-2009
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<QL
448	ZINC, DISSOLVED (AS ZN)	NULL	NULL	NULL	NULL	<QL
1	(UG/L)					
2	FLOW	NULL	0.130	NULL	NULL	01-JAN-2009
3	004	TSS	NULL	NULL	NULL	17
4	448	ZINC, DISSOLVED (AS ZN)	NULL	NULL	NULL	<QL
5	442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	<QL
6	002	PH	NULL	NULL	6.68	6.68
7	257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	<0.30
8	001	FLOW	NULL	0.048	NULL	NULL
					01-JAN-2010	31-DEC-2010

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No VA0004081 Facility Name Dominion - Chesapeake Energy Cent.

Outfall No 016

Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
004	TSS	NULL	NULL	NULL	NULL	195	01-JAN-2008	31-DEC-2008
002	PH	NULL	NULL	6.80	NULL	6.80	01-JAN-2008	31-DEC-2008
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	3	01-JAN-2008	31-DEC-2008
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2008	31-DEC-2008
001	FLOW	0.051	NULL	NULL	NULL	NULL	01-JUL-2008	30-SEP-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<0L	01-JUL-2008	30-SEP-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<0L	01-OCT-2008	31-DEC-2008
001	FLOW	NULL	0.013	NULL	NULL	NULL	01-OCT-2008	31-DEC-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	133	01-JAN-2009	31-MAR-2009
001	FLOW	NULL	0.032	NULL	NULL	NULL	01-JAN-2009	31-MAR-2009
442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	<0L	01-JAN-2009	31-DEC-2009
002	PH	NULL	NULL	7.03	NULL	7.03	01-JAN-2009	31-DEC-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2009	31-DEC-2009
004	TSS	NULL	NULL	NULL	NULL	18	01-JAN-2009	31-DEC-2009
5	FLOW	NULL	0.008	NULL	NULL	NULL	01-APR-2009	30-JUN-2009
6	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	182	01-APR-2009	30-JUN-2009
7	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	7	01-JUL-2009	30-SEP-2009
8	FLOW	NULL	0.008	NULL	NULL	NULL	01-JUL-2009	30-SEP-2009
9	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<0.57	01-OCT-2009	31-DEC-2009
3	FLOW	NULL	0.060	NULL	NULL	NULL	01-OCT-2009	31-DEC-2009
1	FLOW	NULL	0.024	NULL	NULL	NULL	01-JAN-2010	31-MAR-2010

Permit No	VAD0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	016	Reporting Frequency <Alt>	
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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
2 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	117	01-JAN-2010	31-MAR-2010
3 002	PH	NULL	NULL	7.02	NULL	7.02	01-JAN-2010	31-DEC-2010
4 442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	6	01-JAN-2010	31-DEC-2010
5 004	TSS	NULL	NULL	NULL	NULL	90	01-JAN-2010	31-DEC-2010
6 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.5	01-JAN-2010	31-DEC-2010
7 001	FLOW	NULL	0.006	NULL	NULL	NULL	01-APR-2010	30-JUN-2010
8 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	1584	01-APR-2010	30-JUN-2010
9 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	326	01-JUL-2010	30-SEP-2010
0 001	FLOW	NULL	0.029	NULL	NULL	NULL	01-JUL-2010	30-SEP-2010
1 001	FLOW	NULL	0.024	NULL	NULL	NULL	01-OCT-2010	31-DEC-2010
2 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	251	01-OCT-2010	31-DEC-2010
3 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	667	01-JAN-2011	31-MAR-2011
4 001	FLOW	NULL	0.011	NULL	NULL	NULL	01-JAN-2011	31-MAR-2011
5 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	51	01-APR-2011	30-JUN-2011
6 001	FLOW	NULL	0.010	NULL	NULL	NULL	01-APR-2011	30-JUN-2011
7 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	318	01-JUL-2011	30-SEP-2011
8 001	FLOW	NULL	0.024	NULL	NULL	NULL	01-JUL-2011	30-SEP-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No VA000408 | Facility Name Dominion - Chesapeake Energy Cent

Outfall No 017

Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2008	31-DEC-2008
004	TSS	NULL	NULL	NULL	NULL	195	01-JAN-2008	31-DEC-2008
002	PH	NULL	NULL	6.80	NULL	6.80	01-JAN-2008	31-DEC-2008
442	COPPER, DISSOLVED (UG/L) (AS CU)	NULL	NULL	NULL	NULL	3	01-JAN-2008	31-DEC-2008
001	FLOW	NULL	0.046	NULL	NULL	NULL	01-JUL-2008	30-SEP-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<0L	01-JUL-2008	30-SEP-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	<0L	01-OCT-2008	31-DEC-2008
001	FLOW	NULL	0.012	NULL	NULL	NULL	01-OCT-2008	31-DEC-2008
448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	133	01-JAN-2009	31-MAR-2009
001	FLOW	NULL	0.029	NULL	NULL	NULL	01-JAN-2009	31-MAR-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2009	31-DEC-2009
442	COPPER, DISSOLVED (UG/L) (AS CU)	NULL	NULL	NULL	NULL	<0L	01-JAN-2009	31-DEC-2009
004	TSS	NULL	NULL	NULL	NULL	18	01-JAN-2009	31-DEC-2009
002	PH	NULL	NULL	7.03	NULL	7.03	01-JAN-2009	31-DEC-2009
5	FLOW	NULL	0.005	NULL	NULL	NULL	01-APR-2009	30-JUN-2009
6	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	182	01-APR-2009	30-JUN-2009
7	FLOW	NULL	0.005	NULL	NULL	NULL	01-JUL-2009	30-SEP-2009
8	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	7	01-JUL-2009	30-SEP-2009
9	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	457	01-OCT-2009	31-DEC-2009
001	FLOW	NULL	0.053	NULL	NULL	NULL	01-OCT-2009	31-DEC-2009
1	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	117	01-JAN-2010	31-MAR-2010

Permit No VA0004081 Facility Name Dominion - Chesapeake Energy Center Outfall No 017 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
2 001	FLOW	NULL	0.021	NULL	NULL	NULL	01-JAN-2010	31-MAR-2010
3 002	PH	NULL	NULL	7.02	NULL	7.02	01-JAN-2010	31-DEC-2010
4 442	COPPER, DISSOLVED (UG/L AS CU)	NULL	NULL	NULL	NULL	6	01-JAN-2010	31-DEC-2010
5 004	TSS	NULL	NULL	NULL	NULL	90	01-JAN-2010	31-DEC-2010
6 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.5	01-JAN-2010	31-DEC-2010
7 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	1584	01-APR-2010	30-JUN-2010
8 001	FLOW	NULL	0.006	NULL	NULL	NULL	01-APR-2010	30-JUN-2010
9 001	FLOW	NULL	0.026	NULL	NULL	NULL	01-JUL-2010	30-SEP-2010
0 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	326	01-JUL-2010	30-SEP-2010
1 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	251	01-OCT-2010	31-DEC-2010
2 001	FLOW	NULL	0.021	NULL	NULL	NULL	01-OCT-2010	31-DEC-2010
3 001	FLOW	NULL	0.010	NULL	NULL	NULL	01-JAN-2011	31-MAR-2011
4 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	667	01-JAN-2011	31-MAR-2011
5 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	511	01-APR-2011	30-JUN-2011
6 001	FLOW	NULL	0.009	NULL	NULL	NULL	01-APR-2011	30-JUN-2011
7 001	FLOW	NULL	0.021	NULL	NULL	NULL	01-JUL-2011	30-SEP-2011
8 448	ZINC, DISSOLVED (AS ZN) (UG/L)	NULL	NULL	NULL	NULL	318	01-JUL-2011	30-SEP-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No	VAD0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	030	Reporting Frequency	<All>	
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
004	TSS	NULL	NULL	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
002	PH	NULL	NULL	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009
002	PH	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009
004	TSS	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
004	TSS	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
002	PH	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
002	PH	NULL	NULL	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
004	TSS	NULL	NULL	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
004	TSS	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
002	PH	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	030	Reporting Frequency <All>
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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
1 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011
2 002	PH	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011
3 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011
4 004	TSS	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No VA0004081 Facility Name Dominion - Chesapeake Energy Center Outfall No 031 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
005	CL2, TOTAL	NULL	NULL	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
002	PH	NULL	NULL	NULL	NULL	NULL	01-JUL-2008	31-DEC-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009
002	PH	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009
005	CL2, TOTAL	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	30-JUN-2009
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
002	PH	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
005	CL2, TOTAL	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-DEC-2009
002	PH	NULL	NULL	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
005	CL2, TOTAL	NULL	NULL	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2010	30-JUN-2010
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
002	PH	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
005	CL2, TOTAL	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
006	CL2, TOTAL	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-DEC-2010
005	CL2, TOTAL	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011
002	PH	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	30-JUN-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Cent	Outfall No	101	Reporting Frequency	<All>
004		TSS	NULL	NULL	NULL	3.1	3.1
500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
001		FLOW	0.112	0.112	NULL	NULL	01-JUL-2008
004		TSS	NULL	NULL	NULL	2.1	2.1
001		FLOW	0.141	0.141	NULL	NULL	01-OCT-2008
500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
004		TSS	NULL	NULL	NULL	1.3	1.3
500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
001		FLOW	0.124	0.124	NULL	NULL	01-JAN-2009
001		FLOW	0.127	0.127	NULL	NULL	01-APR-2009
1 004		TSS	NULL	NULL	NULL	2.7	2.7
2 500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
3 500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
4 004		TSS	NULL	NULL	NULL	2.1	2.1
5 001		FLOW	0.130	0.130	NULL	NULL	01-JUL-2009
6 004		TSS	NULL	NULL	NULL	1.3	1.3
7 001		FLOW	0.127	0.127	NULL	NULL	01-OCT-2009
8 500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
9 500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
9 004		TSS	NULL	NULL	NULL	1.6	1.6
1 001		FLOW	0.130	0.130	NULL	NULL	01-JAN-2010
2 001		FLOW	0.153	0.153	NULL	NULL	01-APR-2010
3 004		TSS	NULL	NULL	NULL	3.3	3.3
4 500		OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00
						01-APR-2010	30-JUN-2010

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	101	Reporting Frequency <All>
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Parameter Code	Parameter Description	QTY/AVG	QTY/MAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
5 004	TSS	NULL	NULL	NULL	3.4	3.4	01-JUL-2010	30-SEP-2010
6 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JUL-2010	30-SEP-2010
7 001	FLOW	0.138	0.138	NULL	NULL	NULL	01-JUL-2010	30-SEP-2010
8 004	TSS	NULL	NULL	NULL	6.7	6.7	01-OCT-2010	31-DEC-2010
9 001	FLOW	0.109	0.109	NULL	NULL	NULL	01-OCT-2010	31-DEC-2010
0 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-OCT-2010	31-DEC-2010
1 001	FLOW	0.251	0.251	NULL	NULL	NULL	01-JAN-2011	31-MAR-2011
2 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JAN-2011	31-MAR-2011
3 004	TSS	NULL	NULL	NULL	<1	<1	01-JAN-2011	31-MAR-2011
4 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-APR-2011	30-JUN-2011
5 004	TSS	NULL	NULL	NULL	11	11	01-APR-2011	30-JUN-2011
6 001	FLOW	0.294	0.294	NULL	NULL	NULL	01-APR-2011	30-JUN-2011
7 001	FLOW	0.302	0.302	NULL	NULL	NULL	01-JUL-2011	30-SEP-2011
8 004	TSS	NULL	NULL	NULL	1.2	1.2	01-JUL-2011	30-SEP-2011
9 500	OIL & GREASE	NULL	NULL	NULL	<5.00	<5.00	01-JUL-2011	30-SEP-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

Permit No	Facility Name	Dominion - Chesapeake Energy Cent	Outfall No	Reporting Frequency <All>				
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008
031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008
500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008
004	TSS	NULL	NULL	NULL	NULL	NULL	01-SEP-2008	30-SEP-2008
001	FLOW	0.421	0.421	NULL	NULL	NULL	01-OCT-2008	31-OCT-2008
004	TSS	NULL	NULL	7.8	7.8	7.8	01-OCT-2008	31-OCT-2008
019	COPPER, TOTAL (AS CU)	NULL	NULL	0.006	0.006	0.006	01-OCT-2008	31-OCT-2008
031	IRON, TOTAL (AS FE)	NULL	NULL	<-0.13	<-0.13	<-0.13	01-OCT-2008	31-OCT-2008
500	OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-OCT-2008	31-OCT-2008
004	TSS	NULL	NULL	NULL	NULL	NULL	01-NOV-2008	30-NOV-2008
019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-NOV-2008	30-NOV-2008
031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-NOV-2008	30-NOV-2008
500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-NOV-2008	30-NOV-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-NOV-2008	30-NOV-2008
019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
004	TSS	NULL	NULL	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-DEC-2008	31-DEC-2008
019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	31-JAN-2009
031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	31-JAN-2009
004	TSS	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	31-JAN-2009
001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	31-JAN-2009

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
5 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JAN-2009	31-JAN-2009
6 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-FEB-2009	28-FEB-2009
7 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-FEB-2009	28-FEB-2009
8 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-FEB-2009	28-FEB-2009
9 004	TSS	NULL	NULL	NULL	NULL	NULL	01-FEB-2009	28-FEB-2009
0 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-FEB-2009	28-FEB-2009
1 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-MAR-2009	31-MAR-2009
2 004	TSS	NULL	NULL	NULL	NULL	NULL	01-MAR-2009	31-MAR-2009
3 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-MAR-2009	31-MAR-2009
4 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-MAR-2009	31-MAR-2009
5 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-MAR-2009	31-MAR-2009
6 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-MAR-2009	30-APR-2009
7 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-APR-2009	30-APR-2009
8 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-APR-2009	30-APR-2009
9 004	TSS	NULL	NULL	NULL	NULL	NULL	01-APR-2009	30-APR-2009
0 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-APR-2009	30-APR-2009
1 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
2 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
3 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
4 004	TSS	NULL	NULL	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
5 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
6 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JUN-2009	30-JUN-2009
7 004	TSS	NULL	NULL	NULL	NULL	NULL	01-JUN-2009	30-JUN-2009
8 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-JUN-2009	30-JUN-2009
9 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-JUN-2009	30-JUN-2009
0 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUN-2009	30-JUN-2009
1 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
2 004	TSS	NULL	NULL	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009

Permit No	VA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	201	Reporting Frequency <All>	Monitoring Start Date	Monitoring End Date
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX		
3	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
4	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
5	001	FLOW	NULL	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
6	500	OIL & GREASE	NULL	NULL	<5.0	<5.0	01-AUG-2009	31-AUG-2009
7	004	TSS	NULL	NULL	5.1	5.1	01-AUG-2009	31-AUG-2009
8	031	IRON, TOTAL (AS FE)	NULL	NULL	0.80	0.80	01-AUG-2009	31-AUG-2009
9	019	COPPER, TOTAL (AS CU)	NULL	NULL	<QL	<QL	01-AUG-2009	31-AUG-2009
0	001	FLOW	0.246	0.317	NULL	NULL	01-AUG-2009	31-AUG-2009
1	001	FLOW	NULL	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
2	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
3	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
4	004	TSS	NULL	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
5	500	OIL & GREASE	NULL	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
6	004	TSS	NULL	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
7	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
8	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
9	001	FLOW	NULL	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
0	500	OIL & GREASE	NULL	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
1	001	FLOW	NULL	NULL	NULL	NULL	01-NOV-2009	30-NOV-2009
2	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	01-NOV-2009	30-NOV-2009
3	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	01-NOV-2009	30-NOV-2009
4	004	TSS	NULL	NULL	NULL	NULL	01-NOV-2009	30-NOV-2009
5	500	OIL & GREASE	NULL	NULL	NULL	NULL	01-NOV-2009	30-NOV-2009
6	500	OIL & GREASE	NULL	NULL	NULL	NULL	01-DEC-2009	31-DEC-2009
7	004	TSS	NULL	NULL	NULL	NULL	01-DEC-2009	31-DEC-2009
8	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	01-DEC-2009	31-DEC-2009
9	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	01-DEC-2009	31-DEC-2009
0	001	FLOW	NULL	NULL	NULL	NULL	01-DEC-2009	31-DEC-2009

Permit No	VAC0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	201	Reporting Frequency <All>
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Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
1 001	FLOW	1.308	1.308	NULL	NULL	NULL	01-JAN-2010	31-JAN-2010
2 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	0.002	0.002	01-JAN-2010	31-JAN-2010
3 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	0.182	0.182	01-JAN-2010	31-JAN-2010
4 004	TSS	NULL	NULL	NULL	5.4	5.4	01-JAN-2010	31-JAN-2010
5 500	OIL & GREASE	NULL	NULL	NULL	<5.0	<5.0	01-JAN-2010	31-JAN-2010
6 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-FEB-2010	28-FEB-2010
7 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-FEB-2010	28-FEB-2010
8 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-FEB-2010	28-FEB-2010
9 004	TSS	NULL	NULL	NULL	NULL	NULL	01-FEB-2010	28-FEB-2010
10 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-FEB-2010	28-FEB-2010
11 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
12 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
13 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
14 004	TSS	NULL	NULL	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
15 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
16 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-APR-2010	30-APR-2010
17 004	TSS	NULL	NULL	NULL	NULL	NULL	01-APR-2010	30-APR-2010
18 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-APR-2010	30-APR-2010
19 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-APR-2010	30-APR-2010
20 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-APR-2010	30-APR-2010
21 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
22 600	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
23 004	TSS	NULL	NULL	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
24 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
25 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
26 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010
27 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010
28 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010

Permit No	V/A0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	201	Reporting Frequency	<All>
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Parameter Code	Parameter Description	QTY AVG	QTY MAX	CONC MIN	CONC AVG	CONC MAX	Monitoring Start Date	Monitoring End Date
09	004 TSS	NULL	NULL	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010
10	500 OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010
11	001 FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
12	004 TSS	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
13	500 OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
14	019 COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
15	031 IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
16	001 FLOW	NULL	NULL	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
17	019 COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
18	031 IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
19	004 TSS	NULL	NULL	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
20	500 OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
21	500 OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
22	004 TSS	NULL	NULL	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
23	031 IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
24	019 COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
25	001 FLOW	NULL	NULL	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
26	001 FLOW	0.294	0.294	NULL	NULL	NULL	01-OCT-2010	31-OCT-2010
27	019 COPPER, TOTAL (AS CU)	NULL	NULL	NULL	0.003	0.003	01-OCT-2010	31-OCT-2010
28	031 IRON, TOTAL (AS FE)	NULL	NULL	NULL	0.140	0.140	01-OCT-2010	31-OCT-2010
29	004 TSS	NULL	NULL	NULL	12	12	01-OCT-2010	31-OCT-2010
30	500 OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-OCT-2010	31-OCT-2010
31	001 FLOW	0.923	0.923	NULL	NULL	NULL	01-NOV-2010	30-NOV-2010
32	500 OIL & GREASE	NULL	NULL	<5.00	<5.00	<5.00	01-NOV-2010	30-NOV-2010
33	004 TSS	NULL	NULL	6.20	6.20	6.20	01-NOV-2010	30-NOV-2010
34	031 IRON, TOTAL (AS FE)	NULL	NULL	<0.25	<0.25	<0.25	01-NOV-2010	30-NOV-2010
35	019 COPPER, TOTAL (AS CU)	NULL	NULL	<0.10	<0.10	<0.10	01-NOV-2010	30-NOV-2010
36	019 COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010

ermitt No VA0004081 Facility Name Dominion - Chesapeake Energy Center Outfall No 201 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
37 004	TSS	NULL	NULL	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010
38 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010
39 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010
40 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-DEC-2010	31-DEC-2010
41 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
42 004	TSS	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
43 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
44 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
45 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JAN-2011	31-JAN-2011
46 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
47 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
48 004	TSS	NULL	NULL	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
49 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
50 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-FEB-2011	28-FEB-2011
51 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
52 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
53 004	TSS	NULL	NULL	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
54 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
55 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-MAR-2011	31-MAR-2011
56 004	TSS	NULL	NULL	NULL	NULL	NULL	01-APR-2011	30-APR-2011
57 500	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-APR-2011	30-APR-2011
58 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-APR-2011	30-APR-2011
59 001	FLOW	NULL	NULL	NULL	NULL	NULL	01-APR-2011	30-APR-2011
60 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-APR-2011	30-APR-2011
61 031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011
62 500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011
63 004	TSS	NULL	NULL	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011
64 019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011

Permit No	VIA0004081	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	201	Reporting Frequency	<All>
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	Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
55	001	FLOW	NULL	NULL	NULL	NULL	NULL	01-MAY-2011	31-MAY-2011
56	001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
57	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
58	004	TSS	NULL	NULL	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
59	500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
70	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-JUN-2011	30-JUN-2011
71	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-JUN-2011	31-JUL-2011
72	500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-JUN-2011	31-JUL-2011
73	004	TSS	NULL	NULL	NULL	NULL	NULL	01-JUL-2011	31-JUL-2011
74	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-JUL-2011	31-JUL-2011
75	001	FLOW	NULL	NULL	NULL	NULL	NULL	01-JUL-2011	31-JUL-2011
76	001	FLOW	NULL	NULL	NULL	NULL	NULL	01-AUG-2011	31-AUG-2011
77	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-AUG-2011	31-AUG-2011
78	500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-AUG-2011	31-AUG-2011
79	004	TSS	NULL	NULL	NULL	NULL	NULL	01-AUG-2011	31-AUG-2011
80	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-AUG-2011	31-AUG-2011
81	500	OIL & GREASE	NULL	NULL	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011
82	004	TSS	NULL	NULL	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011
83	019	COPPER, TOTAL (AS CU)	NULL	NULL	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011
84	001	FLOW	NULL	NULL	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011
85	031	IRON, TOTAL (AS FE)	NULL	NULL	NULL	NULL	NULL	01-SEP-2011	30-SEP-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

ermitt No	VA0004081	Facility Name	Dominion - Chesapeake Energy Cent	Outfall No	206	Reporting Frequency	<All>
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date
001	FLOW	NULL	0.007	NULL	NULL	NULL	01-SEP-2008
005	CL2, TOTAL	NULL	NULL	71	NULL	NULL	01-SEP-2008
140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-SEP-2008
001	FLOW	NULL	0.009	NULL	NULL	NULL	01-OCT-2008
005	CL2, TOTAL	NULL	NULL	94	NULL	NULL	01-OCT-2008
140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-OCT-2008
140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-NOV-2008
005	CL2, TOTAL	NULL	NULL	170	NULL	NULL	01-NOV-2008
001	FLOW	NULL	0.012	NULL	NULL	NULL	01-NOV-2008
001	FLOW	NULL	0.016	NULL	NULL	NULL	01-DEC-2008
005	CL2, TOTAL	NULL	NULL	320	NULL	NULL	01-DEC-2008
140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-DEC-2008
005	CL2, TOTAL	NULL	NULL	159	NULL	NULL	01-JAN-2009
001	FLOW	NULL	0.003	NULL	NULL	NULL	01-JAN-2009
140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-JAN-2009
001	FLOW	NULL	0.009	NULL	NULL	NULL	01-FEB-2009
001	FLOW	NULL	0.004	NULL	NULL	NULL	01-MAR-2009
005	CL2, TOTAL	NULL	NULL	280	NULL	NULL	01-FEB-2009
001	FLOW	NULL	0.003	NULL	NULL	NULL	01-MAR-2009
140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-MAR-2009
005	CL2, TOTAL	NULL	NULL	92	NULL	NULL	01-MAR-2009
001	FLOW	NULL	0.003	NULL	NULL	NULL	01-APR-2009
2	001	FLOW	NULL	NULL	NULL	NULL	01-APR-2009
3	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	30-APR-2009
4	005	CL2, TOTAL	NULL	NULL	63	NULL	01-APR-2009

Permit No VA0004031 Facility Name Dominion - Chesapeake Energy Center Outfall No 206 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
5_001	FLOW	NULL	0.003	NULL	NULL	NULL	01-MAY-2009	31-MAY-2009
6_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-MAY-2009	31-MAY-2009
7_005	CL2, TOTAL	NULL	NULL	24	NULL	NULL	01-MAY-2009	31-MAY-2009
8_005	CL2, TOTAL	NULL	NULL	27	NULL	NULL	01-JUN-2009	30-JUN-2009
9_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-JUN-2009	30-JUN-2009
0_001	FLOW	NULL	0.004	NULL	NULL	NULL	01-JUN-2009	30-JUN-2009
1_005	CL2, TOTAL	NULL	NULL	38	NULL	NULL	01-JUL-2009	31-JUL-2009
2_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-JUL-2009	31-JUL-2009
3_001	FLOW	NULL	0.004	NULL	NULL	NULL	01-JUL-2009	31-JUL-2009
4_001	FLOW	NULL	0.007	NULL	NULL	NULL	01-AUG-2009	31-AUG-2009
5_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-AUG-2009	31-AUG-2009
6_005	CL2, TOTAL	NULL	NULL	10	NULL	NULL	01-AUG-2009	31-AUG-2009
7_005	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-SEP-2009	30-SEP-2009
8_005	CL2, TOTAL	NULL	NULL	44	NULL	NULL	01-SEP-2009	30-SEP-2009
9_001	FLOW	NULL	0.003	NULL	NULL	NULL	01-SEP-2009	30-SEP-2009
0_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-OCT-2009	31-OCT-2009
1_001	FLOW	NULL	0.004	NULL	NULL	NULL	01-OCT-2009	31-OCT-2009
2_005	CL2, TOTAL	NULL	NULL	46	NULL	NULL	01-OCT-2009	31-OCT-2009
3_001	FLOW	NULL	0.004	NULL	NULL	NULL	01-NOV-2009	30-NOV-2009
4_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-NOV-2009	30-NOV-2009
5_005	CL2, TOTAL	NULL	NULL	26	NULL	NULL	01-NOV-2009	30-NOV-2009
6_001	FLOW	NULL	0.005	NULL	NULL	NULL	01-DEC-2009	31-DEC-2009
7_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-DEC-2009	31-DEC-2009
8_005	CL2, TOTAL	NULL	NULL	104	NULL	NULL	01-DEC-2009	31-DEC-2009
9_001	FLOW	NULL	0.006	NULL	NULL	NULL	01-JAN-2010	31-JAN-2010
0_005	CL2, TOTAL	NULL	NULL	107	NULL	NULL	01-JAN-2010	31-JAN-2010
1_140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-JAN-2010	31-JAN-2010
2_001	FLOW	NULL	0.005	NULL	NULL	NULL	01-FEB-2010	28-FEB-2010

Permit No VA0004031 Facility Name Dominion - Chesapeake Energy Center Outfall No 206 Reporting Frequency <All>

Parameter Code	Parameter Description	QTY/Avg	QTY/Max	CONC/MIN	CONC/Avg	CONC/Max	Monitoring Start Date	Monitoring End Date
3 005	CL2, TOTAL	NULL	NULL	210	NULL	NULL	01-FEB-2010	28-FEB-2010
4 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-FEB-2010	28-FEB-2010
5 001	ENTEROCOCCI	NULL	NULL	NULL	NULL	1	01-MAR-2010	31-MAR-2010
6 005	FLOW	NULL	0.006	NULL	NULL	NULL	01-MAR-2010	31-MAR-2010
7 005	CL2, TOTAL	NULL	NULL	32	NULL	NULL	01-MAR-2010	31-MAR-2010
8 140	ENTEROCOCCI	NULL	NULL	193	NULL	<1	01-APR-2010	30-APR-2010
9 005	CL2, TOTAL	NULL	NULL	71	NULL	NULL	01-APR-2010	30-APR-2010
0 001	FLOW	NULL	0.004	NULL	NULL	NULL	01-APR-2010	30-APR-2010
1 005	CL2, TOTAL	NULL	NULL	3	NULL	NULL	01-MAY-2010	31-MAY-2010
2 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
3 001	FLOW	NULL	0.004	NULL	NULL	NULL	01-MAY-2010	31-MAY-2010
4 001	FLOW	NULL	0.007	NULL	NULL	NULL	01-JUN-2010	30-JUN-2010
5 005	CL2, TOTAL	NULL	NULL	32	NULL	<1	01-JUN-2010	30-JUN-2010
6 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
7 005	CL2, TOTAL	NULL	NULL	20	NULL	NULL	01-JUL-2010	31-JUL-2010
8 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-JUL-2010	31-JUL-2010
9 001	FLOW	NULL	0.004	NULL	NULL	NULL	01-JUL-2010	31-JUL-2010
0 001	FLOW	NULL	0.006	NULL	NULL	NULL	01-AUG-2010	31-AUG-2010
1 005	CL2, TOTAL	NULL	NULL	118	NULL	NULL	01-AUG-2010	31-AUG-2010
2 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-AUG-2010	31-AUG-2010
3 001	FLOW	NULL	0.004	NULL	NULL	NULL	01-SEP-2010	30-SEP-2010
4 005	CL2, TOTAL	NULL	NULL	27	NULL	NULL	01-SEP-2010	30-SEP-2010
5 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-SEP-2010	30-SEP-2010
6 001	FLOW	NULL	0.008	NULL	NULL	NULL	01-OCT-2010	31-OCT-2010
7 005	CL2, TOTAL	NULL	NULL	31	NULL	NULL	01-OCT-2010	31-OCT-2010
8 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	>2420	01-OCT-2010	31-OCT-2010
9 140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<10	01-NOV-2010	30-NOV-2010
0 005	CL2, TOTAL	NULL	NULL	94	NULL	NULL	01-NOV-2010	30-NOV-2010

Permit No	Facility Name	Dominion - Chesapeake Energy Center	Outfall No	206	Reporting Frequency <All>			
Parameter Code	Parameter Description	QTY/Avg	QTY/Max	CONC/MIN	CONC/Avg	CONC/Max	Monitoring Start Date	Monitoring End Date
1	001	FLOW	NULL	0.007	NULL	NULL	01-NOV-2010	30-NOV-2010
2	005	CL2, TOTAL	NULL	NULL	344	NULL	01-DEC-2010	31-DEC-2010
3	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-DEC-2010
4	001	FLOW	NULL	0.004	NULL	NULL	01-DEC-2010	31-DEC-2010
5	005	CL2, TOTAL	NULL	NULL	290	NULL	01-JAN-2011	31-JAN-2011
6	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-JAN-2011
7	001	FLOW	NULL	0.003	NULL	NULL	01-JAN-2011	31-JAN-2011
8	005	CL2, TOTAL	NULL	NULL	414	NULL	01-FEB-2011	28-FEB-2011
9	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-FEB-2011
10	001	FLOW	NULL	0.004	NULL	NULL	01-MAR-2011	31-MAR-2011
11	005	CL2, TOTAL	NULL	NULL	33	NULL	01-MAR-2011	31-MAR-2011
12	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-MAR-2011
13	001	FLOW	NULL	0.006	NULL	NULL	01-APR-2011	30-APR-2011
14	005	CL2, TOTAL	NULL	NULL	35	NULL	01-APR-2011	30-APR-2011
15	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-APR-2011
16	001	FLOW	NULL	0.005	NULL	NULL	01-MAY-2011	31-MAY-2011
17	005	CL2, TOTAL	NULL	NULL	35	NULL	01-MAY-2011	31-MAY-2011
18	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-MAY-2011
19	001	FLOW	NULL	0.006	NULL	NULL	01-JUN-2011	30-JUN-2011
20	001	FLOW	NULL	0.006	NULL	NULL	01-JUN-2011	30-JUN-2011
21	005	CL2, TOTAL	NULL	NULL	32	NULL	01-JUN-2011	30-JUN-2011
22	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-JUN-2011
23	001	FLOW	NULL	0.008	NULL	NULL	01-JUL-2011	31-JUL-2011
24	005	CL2, TOTAL	NULL	NULL	14	NULL	01-JUL-2011	31-JUL-2011
25	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-JUL-2011
26	001	FLOW	NULL	0.008	NULL	NULL	01-AUG-2011	31-AUG-2011
27	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-AUG-2011
28	005	CL2, TOTAL	NULL	NULL	25	NULL	01-AUG-2011	31-AUG-2011

Permit No	Facility Name	Outfall No	Reporting Frequency <All>					
Parameter Code	Parameter Description	QTY/AVG	QTY/MAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
09	001	FLOW	NULL	0.006	NULL	NULL	NULL	01-SEP-2011
10	140	ENTEROCOCCI	NULL	NULL	NULL	NULL	<1	01-SEP-2011
11	005	CL2, TOTAL	NULL	NULL	34	NULL	NULL	30-SEP-2011
							01-SEP-2011	30-SEP-2011

Dominion - Chesapeake Energy Center

DMR Data 2008 - 2011

emit No	Facility Name	Dominion - Chesapeake Energy Cent	Outfall No	301	Reporting Frequency <All>			
Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
001	FLOW	NULL	0.034	NULL	NULL	NULL	01-JUL-2008	30-SEP-2008
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JUL-2008	30-SEP-2008
001	FLOW	NULL	0.152	NULL	NULL	NULL	01-OCT-2008	31-DEC-2008
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-OCT-2008	31-DEC-2008
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2009	31-MAR-2009
001	FLOW	NULL	0.035	NULL	NULL	NULL	01-JAN-2009	31-MAR-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.5	01-APR-2009	30-JUN-2009
001	FLOW	NULL	0.034	NULL	NULL	NULL	01-APR-2009	30-JUN-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	0.027	NULL	NULL	NULL	01-JUL-2009	30-SEP-2009
001	FLOW	NULL	0.027	NULL	NULL	NULL	01-JUL-2009	30-SEP-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	>0.50	01-JUL-2009	30-SEP-2009
1	FLOW	NULL	0.039	NULL	NULL	NULL	01-OCT-2009	31-DEC-2009
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-OCT-2009	31-DEC-2009
3	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	1.09	01-JAN-2010	31-MAR-2010
4	FLOW	NULL	0.010	NULL	NULL	NULL	01-JAN-2010	31-MAR-2010
5	FLOW	NULL	0.027	NULL	NULL	NULL	01-APR-2010	30-JUN-2010
257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-APR-2010	30-JUN-2010
7	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JUL-2010	30-SEP-2010

Permit No VA0004081 Facility Name Dominion - Chesapeake Energy Center Outfall No 301 Reporting Frequency <All>

Parameter Code	Parameter Description	QTYAVG	QTYMAX	CONCMIN	CONCAVG	CONCMAX	Monitoring Start Date	Monitoring End Date
3 001	FLOW	NULL	0.006	NULL	NULL	NULL	01-JUL-2010	30-SEP-2010
2 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-OCT-2010	31-DEC-2010
3 001	FLOW	NULL	0.01	NULL	NULL	NULL	01-OCT-2010	31-DEC-2010
1 001	FLOW	NULL	0.038	NULL	NULL	NULL	01-JAN-2011	31-MAR-2011
2 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.50	01-JAN-2011	31-MAR-2011
3 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.5	01-APR-2011	30-JUN-2011
4 001	FLOW	NULL	0.019	NULL	NULL	NULL	01-APR-2011	30-JUN-2011
5 257	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE	NULL	NULL	NULL	NULL	<0.5	01-JUL-2011	30-SEP-2011
6 001	FLOW	NULL	0.020	NULL	NULL	NULL	01-JUL-2011	30-SEP-2011

Electronic Code of Federal Regulations (e-CFR)

BETA TEST SITE

e-CFR Data is current as of September 6, 2006

Title 40: Protection of Environment

[Browse Previous](#) | [Browse Next](#)

PART 423—STEAM ELECTRIC POWER GENERATING POINT SOURCE CATEGORY

Section Contents

[§ 423.10 Applicability.](#)

[§ 423.11 Specialized definitions.](#)

[§ 423.12 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available \(BPT\).](#)

[§ 423.13 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable \(BAT\).](#)

[§ 423.14 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology \(BCT\).](#)

[\[Reserved\]](#)

[§ 423.15 New source performance standards \(NSPS\).](#)

[§ 423.16 Pretreatment standards for existing sources \(PSES\).](#)

[§ 423.17 Pretreatment standards for new sources \(PSNS\).](#)

[Appendix A to Part 423—126 Priority Pollutants](#)

Authority: Secs. 301; 304(b), (c), (e), and (g); 306(b) and (c); 307(b) and (c); and 501, Clean Water Act (Federal Water Pollution Control Act Amendments of 1972, as amended by Clean Water Act of 1977) (the "Act"; 33 U.S.C. 1311; 1314(b), (c), (e), and (g); 1316(b) and (c); 1317(b) and (c); and 1361; 86 Stat. 816, Pub. L. 92-500; 91 Stat. 1567, Pub. L. 95-217), unless otherwise noted.

Source: 47 FR 52304, Nov. 19, 1982, unless otherwise noted.

§ 423.10 Applicability.

 [top](#)

The provisions of this part are applicable to discharges resulting from the operation of a generating unit by an establishment primarily engaged in the generation of electricity for distribution and sale which results primarily from a process utilizing fossil-type fuel (coal, oil, or gas) or nuclear fuel in conjunction with a thermal cycle employing the steam water system as the thermodynamic medium.

§ 423.11 Specialized definitions.

 [top](#)

In addition to the definitions set forth in 40 CFR part 401, the following definitions apply to this part:

- (a) The term *total residual chlorine* (or total residual oxidants for intake water with bromides) means the value obtained using the amperometric method for total residual chlorine described in 40 CFR part 136.
- (b) The term *low volume waste sources* means, taken collectively as if from one source, wastewater from all sources except those for which specific limitations are otherwise established in this part. Low volume wastes sources include, but are not limited to: wastewaters from wet scrubber air pollution control systems, ion exchange water treatment system, water treatment evaporator blowdown, laboratory and sampling streams, boiler blowdown, floor drains, cooling tower basin cleaning wastes, and recirculating house service water systems. Sanitary and air conditioning wastes are not included.
- (c) The term *chemical metal cleaning waste* means any wastewater resulting from the cleaning of any metal process equipment with chemical compounds, including, but not limited to, boiler tube cleaning.
- (d) The term *metal cleaning waste* means any wastewater resulting from cleaning [with or without chemical cleaning compounds] any metal process equipment including, but not limited to, boiler tube cleaning, boiler fireside cleaning, and air preheater cleaning.
- (e) The term *fly ash* means the ash that is carried out of the furnace by the gas stream and collected by mechanical precipitators, electrostatic precipitators, and/or fabric filters. Economizer ash is included when it is collected with fly ash.
- (f) The term *bottom ash* means the ash that drops out of the furnace gas stream in the furnace and in the economizer sections. Economizer ash is included when it is collected with bottom ash.
- (g) The term *once through cooling water* means water passed through the main cooling condensers in one or two passes for the purpose of removing waste heat.
- (h) The term *recirculated cooling water* means water which is passed through the main condensers for the purpose of removing waste heat, passed through a cooling device for the purpose of removing such heat from the water and then passed again, except for blowdown, through the main condenser.
- (i) The term *10 year, 24/hour rainfall event* means a rainfall event with a probable recurrence interval of once in ten years as defined by the National Weather Service in Technical Paper No. 40, *Rainfall Frequency Atlas of the United States*, May 1961 or equivalent regional rainfall probability information developed therefrom.
- (j) The term *blowdown* means the minimum discharge of recirculating water for the purpose of discharging materials contained in the water, the further buildup of which would cause concentration in amounts exceeding limits established by best engineering practices.
- (k) The term *average concentration* as it relates to chlorine discharge means the average of analyses made over a single period of chlorine release which does not exceed two hours.
- (l) The term *free available chlorine* shall mean the value obtained using the amperometric titration method for free available chlorine described in *Standard Methods for the Examination of Water and Wastewater*, page 112 (13th edition).
- (m) The term *coal pile runoff* means the rainfall runoff from or through any coal storage pile.

§ 423.12 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

 top

- (a) In establishing the limitations set forth in this section, EPA took into account all information it was able to collect, develop and solicit with respect to factors (such as age and size of plant, utilization of

facilities, raw materials, manufacturing processes, non-water quality environmental impacts, control and treatment technology available, energy requirements and costs) which can affect the industry subcategorization and effluent levels established. It is, however, possible that data which would affect these limitations have not been available and, as a result, these limitations should be adjusted for certain plants in this industry. An individual discharger or other interested person may submit evidence to the Regional Administrator (or to the State, if the State has the authority to issue NPDES permits) that factors relating to the equipment or facilities involved, the process applied, or other such factors related to such discharger are fundamentally different from the factors considered in the establishment of the guidelines. On the basis of such evidence or other available information, the Regional Administrator (or the State) will make a written finding that such factors are or are not fundamentally different for that facility compared to those specified in the Development Document. If such fundamentally different factors are found to exist, the Regional Administrator or the State shall establish for the discharger effluent limitations in the NPDES Permit either more or less stringent than the limitations established herein, to the extent dictated by such fundamentally different factors. Such limitations must be approved by the Administrator of the Environmental Protection Agency. The Administrator may approve or disapprove such limitations, specify other limitations, or initiate proceedings to revise these regulations. The phrase "other such factors" appearing above may include significant cost differentials. In no event may a discharger's impact on receiving water quality be considered as a factor under this paragraph.

(b) Any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction by the application of the best practicable control technology currently available (BPT):

(1) The pH of all discharges, except once through cooling water, shall be within the range of 6.0–9.0.

(2) There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid.

(3) The quantity of pollutants discharged from low volume waste sources shall not exceed the quantity determined by multiplying the flow of low volume waste sources times the concentration listed in the following table:

Pollutant or pollutant property	BPT effluent limitations		
	Maximum for any 1 day (mg/l)	Average of daily values for consecutive days shall not exceed (mg/l)	
TSS.....	100.0	30.0	
Oil and grease.....	20.0	15.0	

(4) The quantity of pollutants discharged in fly ash and bottom ash transport water shall not exceed the quantity determined by multiplying the flow of fly ash and bottom ash transport water times the concentration listed in the following table:

BPT effluent limitations

Pollutant or pollutant property	Maximum for any 1 day (mg/l)	Average of daily values for 30 consecutive days shall not exceed (mg/l)
TSS.....	100.0	30.0
Oil and grease.....	20.0	15.0

(5) The quantity of pollutants discharged in metal cleaning wastes shall not exceed the quantity determined by multiplying the flow of metal cleaning wastes times the concentration listed in the following table:

BPT effluent limitations		
Pollutant or pollutant property	Maximum for any 1 day (mg/l)	Average of daily values for 30 consecutive days shall not exceed (mg/l)
TSS.....	100.0	30.0
Oil and grease.....	20.0	15.0
Copper, total.....	1.0	1.0
Iron, total.....	1.0	1.0

(6) The quantity of pollutants discharged in once through cooling water shall not exceed the quantity determined by multiplying the flow of once through cooling water sources times the concentration listed in the following table:

BPT effluent limitations		
Pollutant or pollutant property	Maximum concentration (mg/l)	Average concentration (mg/l)
Free available chlorine.....	0.5	0.2

(7) The quantity of pollutants discharged in cooling tower blowdown shall not exceed the quantity determined by multiplying the flow of cooling tower blowdown sources times the concentration listed in the following table:

Pollutant or pollutant property	BPT effluent limitations	
	Maximum concentration (mg/l)	Average concentration (mg/l)
Free available chlorine.....	0.5	0.2

(8) Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Regional Administrator or State, if the State has NPDES permit issuing authority, that the units in a particular location cannot operate at or below this level or chlorination.

(9) Subject to the provisions of paragraph (b)(10) of this section, the following effluent limitations shall apply to the point source discharges of coal pile runoff:

Pollutant or pollutant property	BPT effluent limitations
	Maximum concentration for any time (mg/l)
TSS.....	50

(10) Any untreated overflow from facilities designed, constructed, and operated to treat the volume of coal pile runoff which is associated with a 10 year, 24 hour rainfall event shall not be subject to the limitations in paragraph (b)(9) of this section.

(11) At the permitting authority's discretion, the quantity of pollutant allowed to be discharged may be expressed as a concentration limitation instead of the mass based limitations specified in paragraphs (b)(3) through (7) of this section. Concentration limitations shall be those concentrations specified in this section.

(12) In the event that waste streams from various sources are combined for treatment or discharge, the quantity of each pollutant or pollutant property controlled in paragraphs (b) (1) through (11) of this section attributable to each controlled waste source shall not

exceed the specified limitations for that waste source.

(The information collection requirements contained in paragraph (a) were approved by the Office of Management and Budget under control number 2000-0194)

[47 FR 52304, Nov. 19, 1982, as amended at 48 FR 31404, July 8, 1983]

§ 423.13 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

 top

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this part must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

(a) There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid.

(b)(1) For any plant with a total rated electric generating capacity of 25 or more megawatts, the quantity of pollutants discharged in once through cooling water from each discharge point shall not exceed the quantity determined by multiplying the flow of once through cooling water from each discharge point times the concentration listed in the following table:

Pollutant or pollutant property	BAT Effluent Limitations
	Maximum concentration (mg/l)
Total residual chlorine.....	0.20

(2) Total residual chlorine may not be discharged from any single generating unit for more than two hours per day unless the discharger demonstrates to the permitting authority that discharge for more than two hours is required for macroinvertebrate control. Simultaneous multi-unit chlorination is permitted.

(c)(1) For any plant with a total rated generating capacity of less than 25 megawatts, the quantity of pollutants discharged in once through cooling water shall not exceed the quantity determined by multiplying the flow of once through cooling water sources times the concentration listed in the following table:

BAT effluent limitations		
Pollutant or pollutant property	Maximum concentration (mg/l)	Average concentration (mg/l)
Free available chlorine.....	0.5	0.2

(2) Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Regional Administrator or State, if the State has NPDES permit issuing authority, that the units in a particular location cannot operate at or below this level of chlorination.

(d)(1) The quantity of pollutants discharged in cooling tower blowdown shall not exceed the quantity determined by multiplying the flow of cooling tower blowdown times the concentration listed below:

BAT effluent limitations		
Pollutant or pollutant property	Maximum concentration (mg/l)	Average concentration (mg/l)
Free available chlorine.....	0.5	0.2

Pollutant or pollutant property	Maximum for any 1 day - (mg/l)	Average of daily values for consecutive days shall not exceed = (mg/l)
The 126 priority pollutants (Appendix A) contained in chemicals added for cooling tower maintenance, except:	(\1\)	(\1\)
Chromium, total.....	0.2	0.2
Zinc, total.....	1.0	1.0

\1\ No detectable amount.

(2) Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Regional Administrator or State, if the State has NPDES permit issuing authority, that the units in a particular location cannot operate at or below this level of chlorination.

(3) At the permitting authority's discretion, instead of the monitoring specified in 40 CFR 122.11(b) compliance with the limitations for the 126 priority pollutants in paragraph (d) (1) of this section may be determined by engineering calculations which demonstrate that the regulated pollutants are not detectable in the final discharge by the analytical methods in 40 CFR part 136.

(e) The quantity of pollutants discharged in chemical metal cleaning wastes shall not exceed the quantity determined by multiplying the flow of chemical metal cleaning wastes times the concentration listed in the following table:

Pollutant or pollutant property	BAT effluent limitations		
	Maximum for any 1 day (mg/l)	Average of daily values for consecutive days shall not exceed (mg/l)	30
Copper, total.....	1.0	1.0	
Iron, total.....	1.0	1.0	

(f) [Reserved—Nonchemical Metal Cleaning Wastes].

(g) At the permitting authority's discretion, the quantity of pollutant allowed to be discharged may be expressed as a concentration limitation instead of the mass based limitations specified in paragraphs (b) through (e) of this section. Concentration limitations shall be those concentrations specified in this section.

(h) In the event that waste streams from various sources are combined for treatment or discharge, the quantity of each pollutant or pollutant property controlled in paragraphs (a) through (g) of this section attributable to each controlled waste source shall not exceed the specified limitation for that waste source.

(The information collection requirements contained in paragraphs (c)(2) and (d)(2) were approved by the Office of Management and Budget under control number 2040-0040. The information collection requirements contained in paragraph (d)(3) were approved under control number 2040-0033.)

[47 FR 52304, Nov. 19, 1982, as amended at 48 FR 31404, July 8, 1983]

§ 423.14 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]

 top

§ 423.15 New source performance standards (NSPS).

 top

Any new source subject to this subpart must achieve the following new source performance standards:

- (a) The pH of all discharges, except once through cooling water, shall be within the range of 6.0–9.0.
- (b) There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid.
- (c) The quantity of pollutants discharged from low volume waste sources shall not exceed the quantity determined by multiplying the flow of low volume waste sources times the concentration listed in the following table:

Pollutant or pollutant property	NSPS effluent limitations		
	Maximum for any 1 day (mg/l)	Average of daily values for consecutive days shall not exceed (mg/l)	30
TSS.....	100.0	30.0	
Oil and grease.....	20.0	15.0	

- (d) The quantity of pollutants discharged in chemical metal cleaning wastes shall not exceed the quantity determined by multiplying the flow of chemical metal cleaning wastes times the concentration listed in the following table:

NSPS effluent limitations

Pollutant or pollutant property	Maximum for any 1 day (mg/l)	Average of daily values for consecutive days shall not exceed (mg/l)
TSS.....	100.0	30.0
Oil and grease.....	20.0	15.0
Copper, total.....	1.0	1.0
Iron, total.....	1.0	1.0

(e) [Reserved—Nonchemical Metal Cleaning Wastes].

(f) The quantity of pollutants discharged in bottom ash transport water shall not exceed the quantity determined by multiplying the flow of the bottom ash transport water times the concentration listed in the following table:

Pollutant or pollutant property	NSPS effluent limitations	
	Maximum for any 1 day (mg/l)	Average of daily values for consecutive days shall not exceed (mg/l)
TSS.....	100.0	30.0
Oil and grease.....	20.0	15.0

(g) There shall be no discharge of wastewater pollutants from fly ash transport water.

(h)(1) For any plant with a total rated electric generating capacity of 25 or more megawatts, the quantity of pollutants discharged in once through cooling water from each discharge point shall not exceed the quantity determined by multiplying the flow of once through cooling water from each discharge point times the concentration listed in the following table:

NSPS effluent
limitations

Pollutant or pollutant property	Maximum concentration (mg/l)
Total residual chlorine.....	0.20

(2) Total residual chlorine may not be discharged from any single generating unit for more than two hours per day unless the discharger demonstrates to the permitting authority that discharge for more than two hours is required for macroinvertebrate control. Simultaneous multi-unit chlorination is permitted.

(i)(1) For any plant with a total rated generating capacity of less than 25 megawatts, the quantity of pollutants discharged in once through cooling water shall not exceed the quantity determined by multiplying the flow of once through cooling water sources times the concentration listed in the following table:

NSPS effluent limitations		
Pollutant or pollutant property	Maximum concentration (mg/l)	Average concentration (mg/l)
Free available chlorine.....	0.5	0.2

(2) Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Regional Administrator or State, if the State has NPDES permit issuing authority, that the units in a particular location cannot operate at or below this level of chlorination.

(j)(1) The quantity of pollutants discharged in cooling tower blowdown shall not exceed the quantity determined by multiplying the flow of cooling tower blowdown times the concentration listed below:

NSPS effluent limitations		
Pollutant or pollutant property	Maximum concentration (mg/l)	Average concentration (mg/l)
Free available chlorine.....	0.5	0.2

Pollutant or pollutant property	Maximum for any 1 day (mg/l)	Average of daily values for consecutive days shall not exceed (mg/l)
The 126 priority pollutants (Appendix A) contained in chemicals added for cooling tower maintenance, except:	(\1\)	(\1\)
Chromium, total.....	0.2	0.2
Zinc, total.....	1.0	1.0

\1\ No detectable amount.

(2) Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Regional Administrator or State, if the State has NPDES permit issuing authority, that the units in a particular location cannot operate at or below this level of chlorination.

(3) At the permitting authority's discretion, instead of the monitoring in 40 CFR 122.11 (b), compliance with the limitations for the 126 priority pollutants in paragraph (j)(1) of this section may be determined by engineering calculations which demonstrate that the regulated pollutants are not detectable in the final discharge by the analytical methods in 40 CFR part 136.

(k) Subject to the provisions of §423.15(l), the quantity or quality of pollutants or pollutant parameters discharged in coal pile runoff shall not exceed the limitations specified below:

Pollutant or pollutant property	NSPS effluent limitations for any time
TSS.....	Not to exceed 50 mg/l.

(l) Any untreated overflow from facilities designed, constructed, and operated to treat the coal pile runoff which results from a 10 year, 24 hour rainfall event shall not be subject to the limitations in §423.15(k).

(m) At the permitting authority's discretion, the quantity of pollutant allowed to be

discharged may be expressed as a concentration limitation instead of the mass based limitation specified in paragraphs (c) through (j) of this section. Concentration limits shall be based on the concentrations specified in this section.

(n) In the event that waste streams from various sources are combined for treatment or discharge, the quantity of each pollutant or pollutant property controlled in paragraphs (a) through (m) of this section attributable to each controlled waste source shall not exceed the specified limitation for that waste source.

(The information collection requirements contained in paragraphs (h)(2), (i)(2), and (j)(2) were approved by the Office of Management and Budget under control number 2040-0040. The information collection requirements contained in paragraph (j)(3) were approved under control number 2040-0033.)

[47 FR 52304, Nov. 19, 1982, as amended at 48 FR 31404, July 8, 1983]

§ 423.16 Pretreatment standards for existing sources (PSES).

 top

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources (PSES) by July 1, 1984:

- (a) There shall be no discharge of polychlorinated biphenol compounds such as those used for transformer fluid.
- (b) The pollutants discharged in chemical metal cleaning wastes shall not exceed the concentration listed in the following table:

Pollutant or pollutant property	PSES pretreatment standards
	Maximum for 1 day (mg/l)
Copper, total.....	1.0

(c) [Reserved—Nonchemical Metal Cleaning Wastes].

(d)(1) The pollutants discharged in cooling tower blowdown shall not exceed the concentration listed in the following table:

7-10

Route
14m TLT
LAD ✓
JBD

MEMORANDUM

State Water Control Board

P. O. Box 11143

3111 North Hamilton Street

Richmond, VA. 23230

SUBJECT: Steam/Electric Permits

TO: Regulatory Services Supervisors

FROM: Fred Holt - OWRM *Fred*

DATE: May 3, 1990

COPIES: Permit Staff



~~Permit Staff~~ Due to several Steam/Electric permits coming up for reissuance throughout the State at the same time, points of dissimilarity in the drafts from region to region have been noted by the permittees and OWRM. The main difference is in application of mass limits. We have taken the March 5, 1985 EPA guidance on mass limits a step further and taken the opportunity to clear up some other permit elements that vary. The memo is to provide some information that may help in drafting these permits.

Steam/Electric technology limits and water quality limits should be put in as appropriate at external outfalls. It may be necessary to apply technology limits at internal outfalls, but technology limits for pH need only be met at the point of discharge. Technology limits for pH are 6 to 9 on all discharges covered by the effluent guidelines except for condenser cooling, and we require water quality pH limits on condenser cooling. Miscellaneous discharges not covered by effluent guidelines should have any appropriate water quality limits. pH should be included on any outfalls where it is expected that it is or might be impacted by facility operations (this will usually be the case). OWRM considers it necessary for condenser cooling water but not for intake screen backwash discharges of river water. For large condenser cooling flows, pH monitoring frequency need not exceed once per month.

Special conditions should include those technology limits prohibiting the discharge of PCB's, prohibiting the discharge of TRC from a single unit for more than two hours, etc., any necessary mixing zone language or the 316(a) "renewal" language if appropriate.

Mass limits for external outfalls are appropriate at ash pond discharges, EPA defined low volume discharges over 0.5 MGD or other discharges that are a major source of pollutants. Mass limits are not necessary for condenser cooling water, low volume discharges under 0.5 MGD, coal pile runoff or other stormwater influenced outfalls.

Page 2

For internal outfalls, mass limits should be included where the internal outfall is a major source of pollutants (e.g. metal cleaning) discharging to an external outfall where the parameter in question is not mass limited, and the internal outfall is not stormwater influenced.

Mass limits should be applied to nutrient policy limits except for cooling water and stormwater influenced discharges.

Generally, long term average flows are used to calculate mass loadings for technology and conventional limits. Maximum flows are used to calculate water quality toxicity based mass limits. Due to the lack of industry ability to control demand and therefore flow, it is acceptable in determining long term average flows for this industry to use an average of monthly maximum flows rather than the average of monthly averages.

In the case where periodic batch discharges increase flow dramatically for short periods, it may be necessary to provide a separate mass limitation (or separate limitations page) for discharges during the occurrence of the batch discharge. Sometimes this can be handled by applying mass limits at the internal point where the batch discharge occurs rather than at an external outfall where average flows do not account for batch discharges.

It is not necessary to interrupt processing of those permits currently being reissued in order to include all of these elements if it will slow down the reissuance process. Next time the permit is opened or, if it is necessary to make changes to the current draft anyway, they should be included.

mg07/sph

7-8

SECTION III-D

SUBJECT: Mass Limits for Steam Electric Industry

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION III
6TH AND WALNUT STREETS
PHILADELPHIA, PENNSYLVANIA 19106

In Reply Refer To: 3WM51

March 5, 1985

Mr. William L. Woodfin, Jr.
Director of Operations
Division of Water Resources & Management
Commonwealth of Virginia
State Water Control Board
P.O. Box 11143
Richmond, Virginia 23230

RE: Mass Limits for Steam Electric Industry

Dear Mr. Woodfin:

As requested during our February 22, 1985 conversation, the following is some guidance regarding the imposition of mass limitations at steam electric facilities:

A) Those point sources where mass limitations are usually not warranted:

1. Cooling Water*
 - a) once-through
 - b) recirculated

*The addition of chlorine for biofouling control is widely practiced and may be of concern on some stream segments.

2. Low Volume Wastes

Restricted to flows under 0.5 mgd including boiler blowdown, waste streams from water treatment and effluent from floor and yard drains.

3. Coal Pile Runoff

B) Those point sources where mass limitations may be warranted:

1. Ash Handling
 - fly ash
 - bottom ash

SECTION III-D Page 24

6-45

7-9
SECTION III-D

Page 2

2. Low Volume Wastes

Flows of 0.5 mgd and over including boiler blowdown, waste streams from water treatment, and effluent from floor and yard drains.

3. Metal Cleaning Wastes

Including wastewater from chemical cleaning of boiler tubes, air preheater washwater, and boiler fireside washwater.

These guidelines are not intended to be applied in all cases but reflect only our experience in dealing with these types of discharges. If you have any questions regarding this matter, please contact Jim Harper at (215) 597-8211.

Sincerely,

Joseph A. Galda, Chief
Water Permits Branch
Water Management Division

(1) Maximum daily and average monthly discharge limitations for all dischargers other than publicly owned treatment works; and

(2) Average weekly and average monthly discharge limitations for POTWs.

(e) Non-continuous discharges. Discharges which are not continuous, as defined in § 122.2, shall be particularly described and limited, considering the following factors, as appropriate:

(1) Frequency (for example, a batch discharge shall not occur more than once every 3 weeks);

(2) Total mass (for example, not to exceed 100 kilograms of zinc and 200 kilograms of chromium per batch discharge);

(3) Maximum rate of discharge of specified pollutants by mass, concentration, or other appropriate measure (for example, not to exceed 2 kilograms of zinc per minute); and

(4) Prohibition or limitation of specified pollutants by mass, concentration, or other appropriate measure (for example, shall not contain at any time more than 0.1 mg/l zinc or more than 250 grams ($\frac{1}{4}$ kilogram) of zinc in any discharge).

(f) Mass limitations. (1) All pollutants limited in permits shall have limitations, standards or prohibitions expressed in terms of mass except:

(1) For pH, temperature, radiation, or other pollutants which cannot appropriately be expressed by mass;

(ii) When applicable standards and limitations are expressed in terms of other units of measurement, or

(iii) If in establishing permit limitations on a case-by-case basis under § 125.3, limitations expressed in terms of mass are infeasible because the mass of the pollutant discharged cannot be related to a measure of operation (for example, discharges of TSS from certain mining operations), and permit conditions ensure that dilution will not be used as a substitute for treatment.

(2) Pollutants limited in terms of mass additionally may be limited in terms of other units of measurement, and the permit shall require the permittee to comply with both limitations.

(g) Pollutants in intake water. (1) Upon request of the discharger, technology-based effluent limitations or standards

shall be adjusted to reflect credit for pollutants in the discharger's intake water if:

(i) The applicable effluent limitations and standards contained in 40 CFR subchapter N specifically provide that they shall be applied on a net basis; or

(ii) The discharger demonstrates that the control system it proposes or uses to meet applicable technology-based limitations and standards would, if properly installed and operated, meet the limitations and standards in the absence of pollutants in the intake waters.

(2) Credit for generic pollutants such as biochemical oxygen demand (BOD) or total suspended solids (TSS) should not be granted unless the permittee demonstrates that the constituents of the generic measure in the effluent are substantially similar to the constituents of the generic measure in the intake water or unless appropriate additional limits are placed on process water pollutants either at the outfall or elsewhere.

(3) Credit shall be granted only to the extent necessary to meet the applicable limitation or standard, up to a maximum value equal to the influent value. Additional monitoring may be necessary to determine eligibility for credits and compliance with permit limits.

(4) Credit shall be granted only if the discharger demonstrates that the intake water is drawn from the same body of water into which the discharge is made. The Director may waive this requirement if he finds that no environmental degradation will result.

(5) This section does not apply to the discharge of raw water clarifier sludge generated from the treatment or intake water.

(h) Internal waste streams. (1) When permit effluent limitations or standards imposed at the point of discharge are impractical or infeasible, effluent limitations or standards for discharges of pollutants may be imposed on internal waste streams before mixing with other waste streams or cooling water streams. In those instances, the monitoring required by § 122.48 shall also be applied to the internal waste streams.

(2) Limits on internal waste streams will be imposed only when the fact sheet under § 124.56 sets forth the exceptional circumstances which make such limitations necessary, such as when the final discharge point is inaccessible (for example, under 10 meters of water), the wastes at the point of discharge are so diluted as to make monitoring impracticable, or the interferences among pollutants at the point of discharge would make detection or analysis impracticable.

(1) Disposal of pollutants into wells, into POTWs or by land application. Permit limitations and standards shall be calculated as provided in § 122.50.

[48 FR 14153, Apr. 1, 1983, as amended at 49 FR 38049, Sept. 26, 1984; 50 FR 4514, Jan. 31, 1985; 54 FR 258, Jan. 4, 1989; 54 FR 18784, May 2, 1989; 55 FR 30909, May 16, 2000]

§ 122.46 Duration of permits (applicable to State programs, see § 123.25).

(a) NPDES permits shall be effective for a fixed term not to exceed 5 years. (b) Except as provided in § 122.6, the term of a permit shall not be extended by modification beyond the maximum duration specified in this section.

(c) The Director may issue any permit for a duration that is less than the full allowable term under this section.

(d) A permit may be issued to expire on or after the statutory deadline set forth in section 301(b)(2) (A), (C), and (E), if the permit includes effluent limitations to meet the requirements of section 301(b)(2) (A), (C), (D), (E) and (F), whether or not applicable effluent limitations guidelines have been promulgated or approved.

(e) A determination that a particular discharger falls within a given industrial category for purposes of setting a permit expiration date under paragraph (d) of this section is not conclusive as to the discharger's inclusion in that industrial category for any other purposes, and does not prejudice any rights to challenge or change that inclusion at the time that a permit based on that determination is formulated.

[48 FR 14153, Apr. 1, 1983, as amended at 49 FR 31822, Aug. 8, 1984; 50 FR 6940, Feb. 19, 1985; 60 FR 33381, June 29, 1995]

§ 122.47 Schedules of compliance

(a) General (applicable to grants, see § 123.25). The permittee, when appropriate, specify a schedule of compliance leading to compliance with the CWA and regulations.

(1) Time for compliance. Any time for compliance under this section shall require compliance as soon as but not later than the applicable deadline under the CWA.

(2) The first NPDES permit a new source or a new discharger shall contain a schedule of compliance when necessary to allow a reasonable opportunity to attain compliance requirements issued prior to commencement of construction less than three years before commencement of the relevant discharge commencing dischargers, a schedule of compliance shall be available when necessary to allow a reasonable opportunity to attain compliance requirements issued or revised than three years before commencement of discharge.

(3) Interim dates. Except as provided in paragraph (b)(1)(ii) of this section, a permit establishes a schedule of compliance which exceeds 1 year from the date of permit issuance, the schedule shall be set forth in interim requirements and the dates for their achievement.

(i) The time between interim shall not exceed 1 year, except in the case of a schedule for construction of wastewater facilities for sewage sludge disposal, the time be, in 1 month.

(ii) If the time necessary for completion of any interim requirement as the construction of a control facility is more than 1 year and readily divisible into stages for completion, the permit shall specify interim dates for the submission of progress toward completion of the interim requirements and in a projected completion date.

Note: Examples of interim requirements include: (a) Submit a complete Step construction grant (for POTSWS); (b) let contract for construction of required facilities; (c) commence construction of required facilities; (d) complete construction of required facilities.

(4) Reporting. The permit shall be written to require that no later than